Shrikant Anant, PhD
Curriculum Vitae

EDUCATION

1981 B.Sc., Major: Zoology Minor: Plant Biology, Chemistry
University of Madras, Loyola College of Madras, India

1984 M.Sc., Medical Microbiology
Department of Microbiology, University of Madras, India

1986 M.S., Microbiology
Department of Microbiology, Michigan State University, East Lansing, MI

1994 Ph.D., Molecular Genetics
Department of Genetics, University of Illinois, Chicago, IL

ACADEMIC AND PROFESSIONAL APPOINTMENTS AND ACTIVIITES

10/1993-09/1995 **Post-Doctoral Research Fellow**
Departments of Biochemistry and Molecular Biology & Medicine
University of Chicago; Chicago, IL
Mentor: Nicholas O. Davidson, MD

10/1995-08/1998 **Research Instructor**
Pritzker School of Medicine; Department of Medicine
Section of Gastroenterology
University of Chicago; Chicago, IL
Supervisor: Nicholas O. Davidson, MD

09/1998-06/2002 **Research Assistant Professor** of Medicine
Department of Internal Medicine Division of Gastroenterology
Washington University School of Medicine; St. Louis, MO
Supervisor: Nicholas O. Davidson, MD

07/2002-06/2006 **Assistant Professor** of Medicine;
Department of Internal Medicine Division of Gastroenterology
Washington University School of Medicine; St. Louis, MO

07/2004-06/2006 **Faculty Member** of the Graduate Programs in Molecular Cell Biology, Biochemistry, Molecular Microbiology, Microbial Pathogenesis; Division of Biological & Biomedical Sciences
Washington University School of Medicine; St. Louis, MO

07/2004-06/2006 **Assistant Professor** of Molecular Biology and Pharmacology
Department of Molecular Biology & Pharmacology
Washington University School of Medicine; St. Louis, MO

01/2008-06/2010 **Program Leader** Gastrointestinal Cancers

Stephenson Cancer Institute
University of Oklahoma Health Sciences Center
Oklahoma, City OK

07/2006-06/2010 **Associate Professor** of Medicine with Tenure
Associate Professor of Cell Biology with Tenure & Graduate Faculty
Director of Gastroenterology Research
Adjunct Professor of Pharmaceutical Sciences
Department of Medicine/Gastroenterology and Nutrition
University of Oklahoma Health Sciences Center; Oklahoma City, OK

07/2010 **Professor** of Medicine with Tenure
Professor of Cell Biology with Tenure & Graduate Faculty
Director of Gastroenterology Research
Adjunct Professor of Pharmaceutical Sciences
Department of Medicine/Gastroenterology and Nutrition
University of Oklahoma Health Sciences Center; Oklahoma City, OK

07/2018 - Current **Professor with Tenure and Chair of Cancer Biology**
Professor and Vice Chair of Research of Surgery (01/2016-06/2018)
Tom and Teresa Walsh Professor of Cancer Prevention (07/2010-present)
Kansas Mason Professor of Cancer Research (07/2010-present)
Eminent Scholar, Kansas Biosciences Authority (07/2010-present)
Professor, Molecular and Integrative Physiology with Tenure (2010-2016
Adjunct Professor, Department of Cancer Biology (2012-2018)
Adjunct Professor, Department of Internal Medicine (2010-present)
Adjunct Professor, Department of Surgery (since 2012-2016)
Associate Dean for Research; University of Kansas School of Medicine
Kansas City, KS (2006-2015)
Associate Director of Prevention and Cancer Control, University of Kansas Cancer Center (NCI-designated) (2010-2018)
Associate Director of Basic Sciences, University of Kansas Cancer Center (NCI-designated) (2018-present)

Industrial:

12/2006-06/2010 **Chief Technical Officer**
Swaasth, Inc.
800 Research Parkway, St 350; Oklahoma City, OK 73104

09/2006-12/2009 **Chief Technical Officer**
Pancagen, Inc. 800
Research Parkway, Oklahoma City, OK 73104

06/2000-06/2011 **Consultant**
ADNA, Inc.
6866 McDougal Ct; Dublin, OH 43017

06/1991-06/1995 **Consultant**

Pharmacia PL Biochemicals
Milwaukee, WI 53202

7/2019-present **Chief Scientific Officer**
DCLK Inc.
4552 Main Street, Suite 1500, Kansas City, Missouri 64111

GRANT SUPPORT

Active and Current

NIH/NCI 1P30CA168524-01 Jensen (PI) 07/11/2012-06/30/2017
Cancer Center Support Grant Total Cost: 1,397,375 (per year)
Role: Co-Investigator Percent Effort: 20

NIH/NCI R01CA227838 (PI: Thomas) 12/01/2018 - 11/30/2023
Role of Autophagy in the Tumor Microenvironment Total Cost: 346,446 (per year)
Role: Co-Investigator

W81XWH-18-1-003101 (MPI: Anant & Jensen) 03/01/2018 - 02/28/2021
Department of Defense Total Cost: 535,500 (per year)
Prevention of Triple Negative Breast Cancer by Natural Compounds

Children's Mercy Hospital & Clinics 2015-2020
Vitro and In Vivo Testing of Total Cost: $146,235
Three Novel Compounds in Pediatric Rhabdomyosarcoma
Role: PI

PC200152 Afreen Sayed (PI) 01/01/2021-12/31/2023
Department of Defense Total Cost: 459,000
Role of RNA-Binding Protein RBM3 in Prostate Cancer Progression
Role: Mentor

W81XWH-21-1-0341 (PI: Randawate) 07/01/2021-06/30/2024
Department of Defense Total Cost: 616,307
Role of Bitter Taste Receptor TAS2R38 in Colorectal Cancer
Role: Mentor

GRANT SUPPORT PENDING

NIH/NCI 1R01CA259467-01 Anant, Jensen (MPI) 04/01/2021-03/31/2026
Role of Prolactin Signaling in Pancreatic Cancer Total Cost: 3,668,967
Role: PI

NIH/NCI 1 R01 CA260671-01 Anant, Weir, Baranda (MPI) 04/01/2021-03/31/2026
Promethazine as a therapeutic in Pancreatic Cancer Total Cost: 3,644,890
Role: PI

NIH/NCI 1 R01 CA257428-01 Anant, Umar (MPI) 09/01/2020-08/30/2025
Role of CELF2 in Intestinal Polyposis Total Cost: 3,644,890
Role: PI

NIH/NCI 1 U01 CA261699-01 Bossmann, Anant, Kasi (MPI) 07/01/2021-06/30/2026
Elucidating Pancreatic Cancer Growth and Response to Therapy via Ultra-High-Field MRI
Rolle: PI Total Cost:

GRANT SUPPORT PAST

NIH/NCI 1R01 CA151727-01A1 Dhar (PI) 09/26/2011 - 09/25/2014
Pancreatic Cancer: Crocetin as a Novel Total Cost: $275,271 (per year)
Therapeutic Approach Mentor
Role: Co-Investigator

Biomedical Research Training Pgrm. Kwatra (PI) 06/2012 – 05/2014
(KUMC)
Bitter Melon in Colon Cancer Therapy and Resistance Total Cost: 36,000
Role: Sponsor & Mentor

KU Lester Dhar (PI) (Internal)
Jmdj1a Histone Demethylase; Possible Target in Pancreatic Cancer
Role: Co-Investigator

American Cancer Society Sugumar (PI) 2013 – 2014
Targeting Patient Derived Pancreatic Cancer cells with Novel Flavanoid P276
Role: Sponsor

KU OSARM Sugumar (PI) 2013 – 2015
Novel Treatment Strategies for Pancreatic Cancer
Program in the department of Medicin to mentor junior physician faculty
Role: Sponsor

NIH/NDDK 1F30DK094532-01 Venugopal (PI) 12/01/2011 - 05/31/2016
RNA binding proteins and intestinal stem cells
Role: Mentor

Children's Mercy Hospital & Clinics 2015-2017
Vitro and In Vivo Testing of Total Cost: $146,235
Three Novel Compounds in
Pediatric Rhabdomyosarcoma
Role: PI

Braden's Hope Foundation 2016-2018
Sarcoma in a Dish: A Novel Approach Total Cost: $300,000
For Precision Medicine

NIH R37 Merit Award 07/01/1995 – 06/30/2001

Nicholas Davidson (PI)
Enterohepatic lipid flux and apoprotein biosynthesis
Role: Co-Investigator — Percent Effort: 100

NIH/NCI RO1 CA-109269-06S1 — 07/16/2004 - 04/30/2012
Moriasi (PI) — Total Cost: $81,209
Dietary prevention of cancer-Supplement for(per year)
Minority Postdoctoral Fellowship
Role: Mentor

NIH/NCCAM SBIR 1R43AT004118-01 — 10/01/2006 - 09/30/2007
Rama Ramanujam, Swaasth Inc (PI)
Urinalysis for patient compliance to CAM therapy
Role: Co-Principal Investigator

NIH/NCCAM SBIR 3R44AT004118-03S109 — 10/01/2007 - 09/30/2009
Rama P. Ramanujam, Swaasth Inc (PI)
Innovative Cell-Based Urinalysis For Patient Adherence
Role: Co- Principal Investigator

NIH/NIDDK RO1 DK-062265 — Anant (PI) — 09/01/2009 - 08/31/2012
RNA binding protein CUGBP2 in the intestinal epithelium — Total Cost: 355,263
Role: PI — (Per Year)

Oklahoma Center for the Advancement of Science and Technology — Houchen (PI) — 02/01/2010 - 01/31/2013
Development of a Novel Cancer Stem Cell Model — Total Cost: 300,000
Role: Co-Investigator

NIH/NCI 5 RO1 CA135559-04 — Anant (PI) — 07/012011-6/30/2014
RNA Binding Proteins in Cancer
Role: PI

NIH, NCCAM/1K99AT008227-01 — Kwatra (PI) — 01/01/2013 – 12/31/2018
Bitter Melon and inhibiting Colon Cancer Tumorigenesis
Role: Mentor

NIH, NCI — Anant (PI) — 09/01/2014 – 08/31/2019
Bitter Melon Component and Colon Cancer Prevention — Total Cost: $ 3,333,552
Role: PI — Percent Effort: 20

NIH/NCI R01CA182872 — Anant (PI) — 4/1/2014-3/31/2018
Novel Dual Notch/PXR Targeting for — Total Cost: $1,694,345
Colon Cancer Therapy
Role: PI

NIH/NCI 1 R01 CA135559 — Anant (PI) — 04/01/2009 - 01/31/2014
RNA Binding Proteins in Cancer — Total Cost: $303,988
Role: PI — (per year)

NIH/NCI RO1 CA-109269-07 Anant (PI) 07/16/2004 - 04/30/2014
Dietary prevention of cancer Total Cost: $283,480 (per year)
Role: PI

NIH/R01 CA182872-01 Anant (PI) 01/01/2014 – 12/31/2018
Novel Dual Notch/PXR Targeting for Colon Cancer Therapy Total Cost: $ 511,692 (per year)
Role: PI

NIH/Office of Dietary Supplements 05/2005 – 10/2005
Rama Ramanujam, Swaasth Inc (PI)
Development of an *in vitro* unit activity quality assurance reference tool for dietary biological standardization
Role: Co-Principal Investigator Percent Effort: 10

NIH/NIDDK Clinical Nutrition Research Center Pilot and Feasibility Award 10/01//2003 – 09/30/2005
Anant (PI)
Dietary chemoprevention of colon cancer
Role: PI Percent Effort: 10

NIH/NCI Molecular Imaging Center Pilot Research Award 02/01/2004 – 01/31/2005
Anant (PI)
Utilizing COX-2 promoter activity for early bioluminescence imaging of cancer
Role: PI Percent Effort: 10

NIH/NIDDK Digestive Disease Research Anant (PI) 03/01/2001 – 02/28/2002
Core Center Pilot and Feasibility Award
Role of a novel mRNA binding protein in intestinal mRNA stability in radiation injury
Role: PI Percent Effort: 10

Full Patents Submitted:

1. Compositions for inhibiting RNA binding proteins, as well as methods of producing and using the same, are disclosed herein, 20090252784, October 8, 2009
2. Identification of gastrointestinal, pancreatic and cancer stem cell markers and methods of use thereof, 20090285883, November 19, 2009
3. Luminescence assay utilizing a genetically modified cell line. An assay method to identify agents that will reduce the inflammation associated with many diseases, providing a method to determine compliance of patients to clinical protocols. January 2010 US 20100009395
4. Compositions Useful For Cancer Detection And Treatment, A Cancer Stem Cell Model, And Methods of Production And Use Thereof. 13/027,845, February 18, 2011 US 20110283372
5. Compositions comprising inhibitors of RNA binding inhibitors of RNA binding proteins and methods of producing and using same. March 2011 US 7902166
6. Compositions comprising inhibitors of RNA binding proteins and methods of producing and using the same. June 2011 US 7956044

7. In Vitro Tumor in Dish Kit and Method. October 2012-12KU088M, May 2013-PCT/US2013/041757

8. siRNA-Mediated Inhibition of Doublecortin And Ca2+/Calmodulin-Dependent Kinase-Like-1, June 12, 2012.

9. Methods of Bladder Cancer Treatment with Ciclopirox, Ciclopirox Olamine, or a Ciclopirox Prodrug, Application filed March 18, 2015, issued 2018

Invention Disclosures:

1. Entrepreneurial activity: Contract MD611266 (June 2006) from the Office of Dietary Supplements, National Institutes for Health. "An in vitro unit measurement method for dietary supplements" awarded to Swaasth™ Inc., Founders Shrikant Anant, Ph.D., and Rama P. Ramanujam, Ph.D

2. Novel therapeutic activities of R6-(2'-Hydroxy-4'-methyl-2-methyl) hept-2-en-5-one, isolated from *Curcuma longa. Invention.* Derivatives have been generated with significant efficacy against pancreatic cancers. Disclosure to be filed in University of Oklahoma

3. Therapeutic uses of Phyllanthin and Hypophyllanthin for treating cancer diseases of colon and liver, Provisional Patent was filed in Dec 2005 by Washington University

4. Novel anti-cancer properties of Marmelin, Provisional Patent was filed in Dec 2005 by Washington University

5. Novel Cancer Initiating Stem Cells. Invention Disclosure filed with OUHSC ORA in July 2008. Patent Application to be filed September 2008

6. Anti-Rabbit Polyclonal Antibody to RBM3 a Novel Proto-oncogene. Invention Disclosure submitted to ORA on Feb 2008

7. Novel protooncogene-induced cancer stem cells (PiCSC) for testing novel therapeutics. Disclosure filed April 2009

8. Novel combination therapy using curcumin and marmelin for cancer therapy. Invention Disclosure filed in April 2009

9. Novel analogs of marmelin for cancer therapy and prevention. Invention Disclosure filed in April 2012

PROFESSIONAL SERVICE

Study Section/Grant Reviewer

2005 – 2006 **Chair,** Fiterman Foundation Award

2004 – 2005 Jon I. Isenberg, MD; International Scholar Award; Funderburg Research Scholar Award in Gastric Cancer; Student Research fellowships Awards

2004 – 2007	American Gastroenterology Association Research Awards Panel
10/2005	**Ad-hoc Member,** NIH; Cancer Etiology Study Section
06/2005	**Reviewer,** NIH; NCCAM (International Research Centers (ICRC) and Developmental Research Centers (DCRC)
2005 – 2007	**Ad-hoc Member,** VA Oncology Subcommittee
06/2006	**Ad-hoc Member,** NIH; IPOD Study Section
2006	NIH; Minority (ZRG-1 DIG-H 29) Fellowship Study Section
2006 – 2008	NIH; DIG (ZRG1 F10-H 21/22) Fellowship Study Section
2006 – 2008	NIH; NCCAM Basic Science Review Panel
2006 – 2008	**Ad-hoc Member,** NIH; CDP Study Section
06/2008 – 07/2008	CDMRP Breast Cancer Research Program Experimental **Ad-hoc Member,** NIH; GMPB Study Section
09/2008	**Ad-hoc Member,** NIH; MONC Study Section
01/2009 – 02/2009	MONC, CDP, GMPB Study Sections ZRG1 ONC-U (92) S Cancer Biology and Therapy Pilot Studies ZDK1 GRB-2 (M1) L Digestive Diseases and Nutrition Fellowships
06/2009 – 07/2009	MONC, CDP, GMPB Study Sections CDP-Conflicts and CE-Conflicts Special Emphasis Panels ZRG1 OTC-B (97) M CANCER THERAPY ARRA ZRG1 DKUS-D (95) S DKUS Competitive Revisions ZRG1 DKUS-B (95) S DKUS Competitive Revisions
09/2009 – 10/2009	NIH; CDP GMPB Study Sections **Chair,** Chemoprevention-Conflicts Special Emphasis Panel NIH: ZDK1 GRB-2 (J1) 1 Fellowships in Digestive Diseases and Nutrition
12/2009	NIH; ZRG1 OTC-B 02 M Cancer Prevention Special Emphasis Panel
02/2010	NIH; CDP Study Section NIH; ZDK1 GRB-2 (M1)1 Fellowships in Digestive Diseases and Nutrition
03/2010	NIEHS Center for Environmental Genomics and Integrative Biology (CEGIB) Pilot Project Program; University of Louisville
03/2010	**Reviewer,** Florida Department of Health; James & Esther King Biomedical Research Program and the Bankhead-Coley Cancer Research Program
06/2010	NIH CDP, GMPB Study Sections
2007 – 2010	VA Oncology Subcommittee - Full Member (2 meetings/per year)
2009 – 2010	**Chair**, NCCAM Basic Science Review Panel (3meetings/ per year)
2010 – 2014	NIH; CDP Study Section – Regular Member
02/2011	NIH; SPORE Study Section; NIH New Innovator Award Program Review Panel; NIDDK ZDK1 GRB-2 (M1) 1 Fellowships in Digestive Diseases and

	Nutrition
03/2011	Pilot Project, O'Sullivan Funds
03/2011	New Investigator Research, Bankhead-Coley Cancer Research Program
04/2011	AIRC – Italian Association for Cancer Research Review Panel
06/2011	Center for Environment Genomics and Integrative Biology (CEGIB) Pilot Project
2011 - 2015	Gastroenterology VA Merit Review Subcommittee Permanent Member
02/2012 & 06/2012	NCCAM Special Emphasis Panel on Mechanistic Basis of Natural Compounds
02/2012-06/2012 & 09/2012	**Discussion Leader,** NCI- GI Cancer SPOREs
06/2012 & 10/2012	NIH; CDP Study Section
09/2012	MGB Study Section
10/2012 – 06/2013	PK23 Review
01/2013	Center of Excellence for Research on CAM (CERC) Review Meeting NCCAM Review Study Section
04/2013	AACR Annual Meeting (American Association for Cancer Research) NIH; Expert Pane Meeting (Botanical Research)
06/2013	**Chair,** NCI R21/R03 Omnibus Review NIH/NCCAM Study Section (PK26) NIH/CDP Study Section
11/2013	**Chair**, NCI Provocative Questions Review Panel on Cancer Therapy
2104-2016	**Chair**, VA GAST revie panel
03/2014	**Chair,** Center of Excellence for Research on CAM (CEREC) Review Meeting NCCAM Review Study Section
03/2014	NIH/NIDDK Stem Cell Consortium Review
04/2014	NIH CDP Study Section NIH GMPB Study Section
09/2014	**Chair**, NCI Omnibus R03/R21
01/2015	**Chair**, NCI Omnibus R03/R21 application
04/2015	Member, NCI SBIR Review panel on NCI's Topic 337 "Reformulation of Failed Chemotherapeutic Drugs and Cell-Free Nucleic Acid-Based Assay Development for Cancer Diagnosis
12/2015	NIH SBIR

01/2016	Member, SPORE Study Section
02/2016	Member, CDMRP BCRP PRV-2 Review Panel
04/2016	Member, NCI SBIR contract review centering around Nucleic Acids-based diagnostics
07/2016	Member, CDMRP BRCP Prevention Review Panel
10/2016	NCI SBIR NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.
03/2017	ZRG1 NIH Director's Award (MOSS-R 56) DP2 study section
08/2017	Member CDMRP BRCP CET-1 Exxperimental Thherapeutics study section
10/2017	**Chair**, NCI SBIR NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program
2017-present	NCI Site Visit Review team member, Wisconsin, Northwestern, Baylor, MSKCC Comprehensive Cancer Ctr, and Wistar Cancer Center.
10/2017	Member, P01 review panel
02/2018	**Chair,** NCI SPORE Study Section
03/2018	Member, NIH Director's New Innovator DP2 Award
06/2018	Member, NCI SPORE Study Section
08/2018	Member, CDMRP BRCP CET-1 Experimental Therapeutics study section
06/2019	Member, CDMRP BRCP CET-1 Experimental Therapeutics study section
05/2019	**Chair**, NCI P01 review panel
06/2019	Member, NCI SBIR NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program
09/2019	Member, NCI SBIR NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program
11/2019	**Chair**, CSR GI SEP review panel
10/2020	Member, NCI Provocative Questions Review Panel
10/2020	**Chair**, NCI R21-R03 review meeting
02/2021	NCI SPORE review panel

05/2021	NCI CCSG Site Visit, University of Colorado Cancer Center
06/2021	Member, CDMRP BRCP CET-1 Experimental Therapeutics study section

HONORS AND AWARDS

1981 - Present	Third Rank Third Rank, B.Sc., Loyola College, University of Madras
1984 - 1986	Assistantship Michigan State University Research Assistantship
1984 - Present	First Prize First Prize, Inter Varsity Science Quiz Competition, India
1984 - Present	First Rank First Rank, M.Sc., University of Madras
1984 - Present	Research Fellowship Indian Council of Medical Research Merit Awards Summer Research Fellowship
1987 - 1993	Assistantship University of Illinois Research and Teaching Assistantships
1993 - 1995	Training Grant NRSA-NIH Training Grant Post-Doctoral Fellowship
2000	Junior Participant Award Junior Participant Award, Gordon Research Conference on RNA Editing, Ventura, CA
April 2000	Afreen Sayed - American Association of Indian Scientists in Cancer Research Young Investigator Award American Association of Indian Scientists in cancer Research (AAISCR, Inc.) is a non-political and nonprofit organization established to promote communication among Indian Scientists living and working in cancer research specialty areas in the United States.
2001	Full Member Full Member, NIH/NCI designated Siteman Cancer Center, Washington University School of Medicine, St. Louis, MO
2002	Full Member Full Member, NIH/NIDDK support Digestive Disease Research Core Center, Washington University School of Medicine, St. Louis, MO
2003	Full Member Dr. Anant was given Full Member designation from the NIH/NIDDK support team at the Clinical Nutrition Research Unit Center located at Washington University School of Medicine in St. Louis, Missouri.
2007	Dharmalingam Subramaniam - Jr. Faculty Scientist Dharma received a travel award from the GRG/AGA so that he could travel to the AGA annual meeting.
2008 - 2009	Nandakumar Srinivasan, MD Nandakumar Srinivasan was a mentee under Dr. Anant at the University of Oklahoma and was the winner of the Resident Research Award

2009 - 2011	Cate Moriasi, PhD - Post Doc Mentee Cate was awarded a minority supplement while under Dr. Anant's mentorship.
2009	Best Poster Award Dr. Anant received the Best Poster Award while attending the IBD Meeting in Munster, Germany.
2010	Distinguished Scientist Award, University of Oklahoma
2011	Anand Venugopal, MD Anand received an F30 from the NIH. Anand was a graduate student mentee under Dr. Shrikant Anant
2011	Dharmalingam Subramaniam - Jr. Faculty Scientist Dharma received a travel award from the KU Cancer Center. It was used to travel and attend the AACR meeting held in Orlando, Florida
February 2012	Dharmalingam Subramaniam - Jr. Faculty Scientist Dharma received a travel award from the KU Medical Center Research Institute to use for travel to the 103rd AACR meeting held in Chicago, Illinois
March 2012	Gaurav Kaushik - Post Doctoral Fellow Gaurav Kaushik received an award for Outstanding Poster at the Southwest Surgical Conference in Rancho Palos Verdes, California
April 2012	Gaurav Kaushik - Post Doctoral Fellow Gaurav Kaushik received an award for the Best Scientific Poster Presentation Award at the Resident, Postdoc, and Fellow Research Day presented by the University of Kansas Medical Center
February 2013	Dharmalingam Subramaniam - Jr. Faculty Scientist Dharma received a travel award from the KU Cancer Center to attend the 104th American Association of Cancer Research Annual Meeting held in Washington DC.
March 2013 resent	Gaurav Kaushik - Post Doctoral Fellow Gaurav won the 2nd position for the Scientific Poster Presentation Award for Resident, PostDoc, and Fellow Research Day hosted by the University of Kansas Cancer Center
June 2013	Alissa Urich - University of Kansas Undergraduate Student Alissa Urich received a Summer Research Fellowship from the University of Kansas Cancer Center
June 2013 2013	Ravi Thombre - Undergraduate University of Miami Ravi received a Summer Research Fellowship from the University of Kansas Cancer Center
March 2014	Dharmalingam Subramaniam - Jr. Faculty Scientist Dharma received a travel award from the KU Cancer Center to travel to the 12th Annual AACR International Conference on Frontiers in Cancer Prevention Research held in National Harbor, Maryland
March 2014	Parthasarathy Rangarajan - Post Doctoral Fellow Partha received a travel award from the KU Cancer Center for the 12th Annual AACR International Conference on "Frontiers in Cancer Prevention Research" held October 27-30 at National Harbor,

	Maryland
March 2014	Parthasarathy Rangarajan - Postdoctorial Fellow Parthasarathy Rangarajan won 1st Place for his Post Doctorial Poster Presentation during the Resident, Postdoc and Fellow Research Day held by the University of Kansas Medical Center
May 2014	University of Kansas Faculty Research Investigator Award
March 2015	Parthasarathy Rangarajan Parthasarathy Rangarajan was a Post Doctoral Fellow in Dr. Anant's lab. He competed in a poster presentation at the KU Cancer Center Research Symposium and won an award
March 2015	Parthasarathy Rangarajan - Post Doctoral Fellow Partha won the award for Trainee Speaker during the University of Kansas Cancer Center Symposium
April 2015	Dharmalingam Subramaniam - Jr. Faculty Scientist Dharma won a travel award from the KU Cancer Center to travel to the American Association of Cancer Research Annual meeting held in Philadelphia, PA
April 2015	Parthasarathy Rangarajan - Meritorious Young Investigator Every year the American Association of Indian Scientist in Cancer Research (AAISCR) wants to recognize young investigators for their contributions in cancer research. In 2015 Parthasarathy Rangarajan won this award for his work in Dr. Shrikant Anant's lab
April 2015	Parthasarathy Rangarajan - Post Doctoral Fellow Partha was awarded the "Meritorious Young Investigator" award by the American Association of Indian Scientists in Cancer Research
April 2015	Dharmalingam Subramaniam - Junior Faculty Scientest Dharmalingam Subramaniam is a Junior Faculty Scientist in Dr. Shrikant Anant's lab. He wanted to attend the 106th American Association of Indian Scientists in Cancer Research conference being held in Philadelphia PA. He applied for and received a travel award from the KU Cancer Center
June 2015	Julia Balmaceda - Undergraduate Student Summer Research Fellowship award from the University of Kansas Cancer Center
January 2016	Prasad Dandawate - K-INBRE Postdoctoral Award K-INBRE is the Kansas IDeA Network of Biomedical Research Excellence. In Kansas, the INBRE grant supports research strengths in cell and developmental biology. COBRE grants fund Centers of Biomedical Research Excellence. The COBRE grants support research in protein structure and function, epithelial cell physiology, drug development, infectious disease, and liver health and disease
April 2016	Dharmalingam Subramaniam - Jr Faculty Scientist Dharma is a Junior Faculty Scientist in Dr. Shrikant Anant's lab at KU Medical Center. He received a Travel Award from the Research

	Institute to attend the 107th American Assoc of Cancer Research Annual Meeting held in New Orleans, Louisiana
April 2016	Gaurav Kaushik - Post Doctoral Fellow Gaurav Kaushik was a Post Doctoral Fellow in Dr. Shrikant Anant's lab at KU Medical Center. He was awarded a fellowship from NCI to attend Cold Spring Harbor Laboratory Training Course on "Expression, Purification & Analysis of Protein and Protein Complexes
May 2016	Peter Chow - Medical Student Peter Chow is a student at the University of Kansas Medical Center. He as awarded a Medical Student Summer Training Fellow Award, Second Prize at the Student Research Forum. He spent the summer in Dr. Anant's lab doing research
May 2016	Vijyendra Ramesh - Undergraduate Student Vijyendra Ramesh was an undergraduate student from the University of Buffalo in New York. He spent his summer in Dr. Anant's lab through the Summer Research Fellowship of the University of Kansas Cancer Center
July 2016	Prasad Dandawate - Post Doctoral Fellow Prasad Dandawate was invited to give an Oral Presentation at the Herbal and Synthetic Drug Studies held at ISTRA in Pune India
August 2016	Afreen Sayed - Schlumberger Foundation Award Schlumberger Foundation's Faculty for the Future program, to provide funding to women from emerging economies for advanced graduate study
March 2017	David Standing - Best Overall Poster Award David Standing is a graduate student in Cancer Biology and is a mentee of Dr. Anant. He won the Best Overall Poster during the 39th Annual Research Forum held at the KU Edwards Campus
May 2017	Chancellors Club Research Award The Chancellors Club Research Award is presented to an individual in recognition of exceptional achievements that have had significant and long-term impact on a research field. The research should have profoundly affected later development of a field or represent a productive record of significant research. The research is expected to be of national and/or international merit
August 2017	Afreen Sayed - Schlumberger Foundation Award Afreen Sayed is a graduate student in Cancer Biology under Dr. Shrikant Anant. She was granted a renewal extension through the Faculty for the Future program from the Schlumberger Foundation The Schlumberger Foundation is an independent nonprofit entity that supports science, technology, engineering, and mathematics (STEM) education. Since its inception, the Foundation has focused on funding a variety of programs in scientific educational all over the world
April 2018	Jenna Koosed - Gold Award Jenna Koosed was a High School

	Senior in the Shawnee Mission School District. She volunteered in Dr. Anant's lab during her senior year of high school. She entered a poster in the KC Stem Alliance science fair held every year at Union Station. She won first place in her category and age group. This fair allows students in grades 4-12 the chance to showcase their science fair projects in 15 categories ranging from Animal Sciences to Inventions as they compete to win ribbons, awards and cash prizes totaling nearly $7,000
July 2018	Women In Medicine & Science Mentorship Award. The Women in Medicine and Science (WIMS) organization at the University of Kansas School of Medicine (KU SoM) is dedicated to the advancement and retention of all women faculty members, at all ranks, by offering educational programs to meet their needs. Our overall goal is to train our women faculty members the skills of leadership
May 2018	Arya Chakraborty and Anish Baller (School students): We taught them to use different online platforms such as Xena browser and GEPIA to mine the Cancer Genome Atlas database. Based on this Arya presented his work in Greater Kansas City Science and Engineering Fair and got a gold award.
Aug 2018	Peyton Panovich (Student: Shawnee Mission West High School): She worked on a project on "cucurbitacin compounds for the treatment of colon cancer". a. She presented her work at *Junior Science and Humanities Symposia* (*JSHS*) Program at Oklahoma and won first prize (Scholarship of $2000) b. She was selected for the national level of competition (NJSHS). c. She also presented in Greater Kansas City Science and Engineering Fair (GKCSEF) and secured third place. d. She was a finalist in bioGENEius competition. e. She also won the Schuller award and Pioneer of Science grand award.
Sept 2019-present	Riya Parikh: Riya is an undergraduate student at the University of Kansas, Lawrence. I am mentoring her work on "Antipsychotic drug promethazine inhibits pancreatic cancer growth by inhibiting prolactin receptor signaling". She received KINBRE award to complete this project (Fund: $6000)

Honors, Press Reports & Publications:

- ASBMB Today, March 2003 Lancet Oncology, Mar 1, 2003 "Paradigm shift could offer new cancer therapy hope" Lancet Oncology, 4:133, 2003.
- The Hindustan Times, Jan 27, 2003. Indian scientist identifies cancer-killing protein (http://www.hindustantimes.com/2003/Jan/26/181_147956,0005.htm) The Indian Express,

Mumbai, India. Feb 6 Editorial The Record, Washington University Newspaper, February 14, 2003.

- (http://news.bbc.co.uk/2/hi/health/2669219.stm) Independent Living Health News, Jan 27, 2003 "Protein kills cancer cells" Jan 27, 2003 (http://www.independentliving.co.uk/news/news.html)
- BBC News, World Edition, Jan 25, 2003 "Protein makes cancer cells self-destruct'
- (www.ananova.com/news/story/sm_741382.html?menu=) French News Service Jan. 17, 2003 "Le célébrex pourrait prévenir les cancers et être associé à la chimio" (http://gfme.free.fr/info/actualite46.html)
- Ananova.Com Jan 19, 2003 "Protein weapon discovered for war on cancer"
- KMOX Radio Broadcast Jan 18, 2003 Science News Daily Jan 20, 2003 "Researchers Identify Protein That Kills Cancer Cells" (http://www.sciencedaily.com/releases/2003/01/030120100822.htm)
- WebMD Health News, Jan 17, 2003 'Master Switch' Turns Off Cancer-Protein Cuts Off Cells' Cancer-Growth Machinery (http://my.webmd.com/content/Article/59/66782.htm)
- OU Medicine Magazine, Spring 2007 “Cancer fighter in the curry” Washington University Medical Public Affairs-Press Release Jan. 17, 2003 "Researchers Identify Protein that Kills Cancer Cells" (mednews.wustl.edu/medadmin/ PAnews.nsf/0/1E3F197E7FF1FB8086256CAF00634293)
- Edmond Sun, March 27, 2008, OU Cancer Institute targeting new cancer therapy. http://www.edmondsun.com/local/local_story_087115728.html OU Medicine Magazine, Spring 2007 “Research teammates provide One-Two Punch”
- Cancer Gene (http://www.gastro.org/wmspage.cfm?parm1=5199) The Oklahoman, April 21, 2008, Cancer gene may be key in treatment (http://newsok.com/cancer-gene-identified-by-ou-researchers-may-be-key-in-treatment/articl e/3232823/?tm=1208775469)
- Wagoner Tribune, June 27, 2008, Cancer scholar addresses Wagoner Lions Club http://www.zwire.com/site/news.cfm?newsid=19810250&BRD=3754&PAG=461&dept_id=g74074&rfi=6 American Gastroenterology Association, May 2008. AGA Research Scholar Identifies New
- The Oklahoman, Cancer research targets key cells in illness: Specific protein may hold key to prevention (September 6, 2008) http://www.newsok.com/cancer-research-targets-key-cells-in-illiness/article/3293943/?tm=122067
- Genetic Engineering News, Sep 11 2008, Scientists isolate cancer stem cells http://www.genengnews.com/news/bnitem.aspx?name=41666505
- Associated Press, Oklahoma researchers discuss cancer finding (May 21, 2009) http://www.mercurynews.com/news/ci_12423174?nclick_check=1
- The Oklahoman; Cancer Discovery could bring cure (May 22, 2009)
- The Scientist, (November 2009)
- Express News Service, Chennai; Cure to cancer in Indian cuisine’s ingredients (January 6, 2011)
- The Times of India, Chennai; The long search for an affordable anti-cancer drug has led scientist straight to Indian kitchens: Your curry could be a cancer cure (January 7, 2011)
- The Hindu, Indian American pioneering cancer research from herbal extracts (January 10, 2011) http://www.thehindu.com/thehindu/edu/2011/01/10/stories/2011011050050200.htm

- YouTube, Kansas Bioscience Authority, Video Shoot, (January 12, 2011)
- Channel 41 Kansas City, Video Shoot, (January 12, 2011)

PROFESSIONAL ORGANIZATION RESPONSIBILITIES:

- **Chair,** Clinical Science Symposium for the Basic Scientist titled *"Clinical aspects of liver transplantation for the basic scientist and opportunities for research"* at Digestive Week (2000)
- **Member,** PhD, MD/PhD, DVM Committee, American Gastroenterology Association (2001 – 2003)
- Abstract Review Committee, Intestinal Disorders, Digestive Disease Week; Abstract Review Committee, Nutrition and Obesity Section, Digestive Disease Week; **Moderator,** Research Forum titled *"Molecular regulation of enterocyte"* at Digestive Disease Week (2002)
- **Chair,** AGA Forum on Hepatic Lipid Metabolism in Obesity at the Digestive Disease Week (2003)
- **Chair,** AGA Research Forum on Regulation of Gene Expression at the Digestive Disease Week (2003)
- **Chair,** GI Oncology Research Forum on Cell Cycle Control and Differentiation at the Digestive Disease Week (2003)
- Abstract Review Committee, Intestinal Disorders, Digestive Disease Week (2003)
- **Chair,** Clinical Science Symposium for the Basic Scientist at Digestive Disease Week (2003)
- Abstract Review Committee, Intestinal Disorders Section, Digestive Disease Week (2004)
- Abstract Review Committee, Nutrition and Obesity Section, Digestive Disease Week (2005)
- Abstract Review Committee, Nutrition and Obesity Section, Digestive Disease Week; **Chair,** AGA Topic Forum on Nutrition and Cancer at the Digestive Disease Week (2006)
- **Chair,** Abstract Review Committee – Basic Science Abstracts, Nutrition and Obesity Section, Digestive Disease Week; AGA Research Forum, Tumor and Cell Biology, Digestive Disease Week (2007)
- **Chair,** Abstract Review Committee – Signaling and Cancer, GI Oncology Section, Digestive Disease Week (2008)
- **Chair,** Abstract Review Committee – Tumor Cell Biology, GI Oncology Section, Digestive Disease Week (2009)
- Abstract Review Committee Intestinal Disorders Section, Digestive Disease Week (2010)
- **Chair,** AGA Research Forum: Signaling pathways in GI cancers Digestive Disease Week (2010)
- **Councilor,** AGA Growth, Development and Aging Section (2006)
- **Councilor,** AGA Nutrition and Obesity Section (2006)
- **Member,** Task Force on Gastroenterology Research, American Gastroenterology Association (2004 – 2007)
- **Reviewer,** AGA Abstract Review Committee, Hormones, Transmitters, growth Factors and Their Receptors (2011)
- **Member,** PLOS [Public Library of Science] One Editorial Board Member (2013)
- **Member,** KUMC Faculty Council Research Committee (2013)
- **Member,** Editorial Board of Frontiers in Pharmacology
- **Chair,** AGA Abstract Review Committee Cell Growth, Apoptosis and Development (2013 & 2011)
- **Member,** APS International Committee (2012 – 2014)
- **Member,** Botanical Research Expert Panel, NIH/NCCAM 2013
- **Chair,** AGA Research Forum in GI Oncology (2017-2020)

EDITORIAL RESPONSIBILITIES:

Editorial Board Member
BMC Physiology (2011-present) Translational Gastrointestinal Cancer (2011-present) Immuno Gastroenterology (2011-present) Gastroenterology (2006-2011) Amer J Physiol-Gastro (2009-2013) ECAM (2006-present) International Journal of Cancer (2008-present) Clinical Medicine: Gastroenterology (2007-present) Cancer Research (2013-present), Frontiers in Pharmacology (2019-present)

Ad-hoc Reviewer
EMBO Journal, PNAS USA, Gastroenterology, Molecular and Cellular Biology, Journal of Lipid Research, Metabolism, American Journal of Physiology-GI, Digestive Diseases and Science, Amer. J. Physiol., Cell Physiol., Physiological Genomics, Molecular Microbiology, Infection and Immunity, Amer. J. Physiol, GI and Liver, Journal of Biological Chemistry, Cancer Research, Digestion, Cancer Letters, Biotechniques, Human Heredity, Journal of Applied Physiology, Journal of Cellular Biochemistry

UNIVERSITY ACTIVITIES:

- Scientific Advisory Board Member - University of Oklahoma Cancer Institute (2006 - 2009)
- University of Oklahoma Health Sciences Center Institutional Biosafety Committee member (2006-2010)
- Member, OUCI Director of Basic Sciences Search Committee (2007 - 2008)
- Member, OUHSC Research Council (2008 - 2011)
- Member, Cell Biology Faculty Search Committee - OUHSC (2008)
- Member, OUHSC Patent Advisory Committee (2009 - 2012)
- Associate Dean for Research, School of Medicine – University of Kansas Medical Center (July 2010 – Present)
- Driving Discovery and Innovation Work Group - University of Kansas Medical Center (2010-present)
- Microbiology Search Committee - University of Kansas Medical Center (June 2011)
- Financial Office Search Committee, Departments of Physiology; Faculty Search Committee, Cancer Biology - University of Kansas Medical Center (Feb 2011)
- Faculty and Staff Task Force – University of Kansas Medical Center (June 2013 – Present)

Publications

1. Rajakumar, R., **Anant, S.,** Thyagarajan, S.P., and Subramanian, S. Parasitic Infestations Amongst Inmates of Orphanages in Madras City. Biomedicine 1985; 6: 1-10.

2. Sundararaj, T., Mohana, S., **Anant, S**., Ilango, B., Anbu, B., and Sundararaj, A. Studies on the Cell Mediated Immune Response in Mixed Parasitic Infection with Giardia lamblia and Entamoeba Histolytica in Human Cases. Indian J.Med.Microbiol. 5: 291-296,1987.

3. Ramanujam, P., Alter, D.C., **Anant, S.,** and Subramanian, K.N. Alternative Methods of Isolating Animal Cell Clones. Biotechniques 1988; 6: 24-25.

4. **Anant,** S., Subramanian, K. N (1992). Isolation of Low Molecular Weight DNA from Bacteria and Animal Cells. Methods in Enzymology, 216, 20-9. 1336092

5. **Anant, S.,** Axenovich, S.A., Madden, S.L., Rauscher III, F.J., and Subramanian, K.N. Novel Replication Inhibitory Function of the Developmental Regulator/transcription Repressor Protein WT1 Encoded by the Wilms' Tumor Gene. Oncogene 1994; 9: 3113-3126.

6. Mukhopadhyay, D., **Anant, S.,** and Mukherjee, S. 3-aminobenzamide Delays rejoining of DNA Strand Breaks in γ-irradiated Lymphocytes from Patients with Breast Cancer and not Cervical Cancer. Neoplasma 1994; 41: 151-157.

7. Raghu, G., Tevosian, S., **Anant, S.,** Subramanian, K.N., George, D.L., and Mirkin, S.M. Transcriptional Activity of the Homopurine: Homopyrimidine Repeat of the c-Ki-ras Promoter is Independent of its H-forming Potential. Nucl. Acids Res. 1994; 22: 3271-3279.

8. MacGinnitie, A.J., **Anant, S.,** and Davidson, N.O. Mutagenesis of apobec-1, the Catalytic Component of the Mammalian Apolipoprotein B mRNA Editing Enzyme Reveals Distinct Domains that Mediate Cytosine Nucleoside Deaminase, RNA Binding and RNA Editing Activity. 1995; J. Biol. Chem. 270: 14768-14775.

9. Davidson, N. O, **Anant, S.,** MacGinnitie, A. J (1995). Apolipoprotein B Messenger RNA Editing: Insights into the Molecular Regulation of Post-transcriptional Cytidine Deamination. Current Opinion in Lipidology, 6(2), 70-4. 7773570.

10. **Anant, S**. MacGinnitie, A.J., and Davidson, N.O. Apobec-1, the Catalytic Subunit of the Mammalian Apolipoprotein B mRNA Editing Enzyme is a Novel RNA-binding Protein. 1995; J. Biol. Chem. 270: 14762-14767.

11. **Anant, S.,** Giannoni, F., Antic, D., De Maria, C.T., Keene, J.D., Brewer, G., and Davidson, N.O. AU-rich RNA Binding Poteins Hel-N1 and AUF1 Bind ApolipoproteinB mRNA and InhibitPposttranscriptional C to U Editing. Nucleic Acids Res. Symp. Ser. 1997; 36: 115-118.

12. **Anant, S.,** Martin, S.A.M., Yu, H., MacGinnitie, A.J., Devaney, E., and Davidson, N.O. A Cytidine Deaminase Expressed in the Post-infective Stage by a Filarial Nematode Brugia Pahangi has Acquired RNA-binding Activity. Mol. Biochem. Parasitol. 1997; 88: 105-114.

13. **Anant, S**., Yu, H., and Davidson, N.O. Evolutionary Origins of the Mammalian Apolipoprotein B mRNA Editing Enzyme, Apobec-1: Structural Homology Inferred from the Analysis of a Cloned Chicken Small Intestinal Cytidine Deaminase. Biol. Chem. 1998; 379: 1075-1081.

14. **Anant, S**., Roy, S., Vijay Raghavan, K. (1998). Twist and Notch Negatively Regulate Adult Muscle Differentiation in Drosophila. Development (Cambridge, England), 125(8), 1361-9. 9502718.

15. Murthy, N., Subramanian, U., **Anant, S.,** Subramanian, K.N. The Replication Inhibitory Function of WT1 Resides in its N-terminal 298 Amino Acid Region, and Does Not Require Specific Binding of the Protein to the Replication Origin Sequence. Int. J. Oncology. 1998; 13: 1275-1280.

16. Lee, R.M., Hirano, K., **Anant, S**., Bonouch, D., and Davidson, N.O. An Alternatively Spliced form of Apobec-1 Messenger RNA is Overexpressed in Human Colon Cancer Cells. Gastroenterology 1998; 115: 1096-1103.

17. Madsen, P., **Anant, S**., Rasmussen, H.H., Gromov, P., Vorum, H., Dumanski, J.P., Tommerup, N., Collins, J.E., Wright, C.L., Dunham, I., MacGinnitie, A.M., Davidson, N.O., and Celis, J.E. Psoriasis Upregulated Phorbolins Share Similarity with the mRNA-Edited Protein Apobec-1 and are Derived by the Differential Usage of AUG Codons. J. Invest. Dermatol. 1999; 113: 162-169.

18. Muramatsu, M., Sankaranand, V.S., **Anant, S**., Sugai, M., Kinoshita, K., Davidson, N.O., and Honjo, T. Specific Expression of Activation-induced Cytidine Deaminase (AID), a Novel Member of the RNA-editing Deaminase Family in Germinal Center B Cells. J. Biol. Chem. 1999; 274: 18470-18476.

19. **Anant, S**., and Davidson, N.O. An AU-rich Sequence Element [UUUN(A/U)U] Downstream of the Edited C in Apolipoprotein B mRNA is a High Affinity Binding Site for APOBEC-1: Binding of Apobec-1 to this Motif in the 3' Untranslated Region of c-myc Increases mRNA Stability. Mol. Cell. Biol. 2000; 20: 1982-1992.

20. Chester, A., Scott, J., **Anant, S.,** Navaratnam, N. (2000). RNA Editing: Cytidine to Uridine Conversion in Apolipoprotein B mRNA. Biochimica et Biophysica acta, 1494(1-2), 1-13. 11072063.

21. Blanc, V., Navaratnam, N., Henderson, J. O, **Anant, S**., Kennedy, S., Jarmuz, A., Scott, J., Davidson, N. O (2001). Identification of GRY-RBP as an Apolipoprotein B RNA-binding Protein that Interacts with Both Apobec-1 and apobec-1 Complementation Factor to Modulate C to U Editing. The Journal of Biological Chemistry, 276(13), 10272-83. 11134005.

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23. **Anant, S**., Henderson, J.O., Mukhopadhyay, D., Kennedy, S., and Davidson, N.O. Novel Role for RNA-binding Protein CUGBP2 in Mammalian RNA Editing: CUGBP2 Modulates C to U Editing of a=Apolipoprotein B mRNA by Interacting with Apobec-1 and ACF, the Apobec-1 Complementation Factor. 2001. J. Biol. Chem. 276: 47338-47351.

24. **Anant, S**., Mukhopadhyay, D., Sanakaranand, V., Kennedy, S., Henderson, J.O., and Davidson, N.O. ARCD-1, an Apobec-1 Related Cytidine Deaminase Exerts a Dominant Negative Effect on C to U RNA Editing, 2001. Amer. J. Physiol.-Cell Physiol. 281: C1904-C1916.

25. Blanc, V., Navaratnam, N., Henderson, J.O**., Anant, S**., Kennedy, S.M. , Jarmuz, A., Scott, J., and Davidson, N.O. Identification of GRY-RBP as an Apolipoprotein B RNA Binding Protein that Interacts with aApobec-1 and Apobec-1 Complementation Factor (ACF) to Modulate C-to-U Editing. J. Biol. Chem. 2001; 276: 10272-10283.

26. **Anant, S**., Mukhopadhyay, D., Hirano, K., Brasitus, T. A, Davidson, N. O (2002). Apobec-1 Transcription in Rat Colon Cancer: Decreased apobec-1 Protein Production through Alterations in Polysome Distribution and mRNA Translation Associated with Upstream AUGs. Biochimica et biophysica acta, 1575(1-3), 54-62. 12020819

27. **Anant, S.,** Mukhopadhyay, D., Hirano, K., Brasitus, T.A., and Davidson, N.O Apobec-1 Expression in Rat Colon Cancer: Decreased apobec-1 Protein Production through Alterations in Polysome Distribution and mRNA Translation Associated with Upstream AUGs. 2002. Biochim. Biophys. Acta. 1575: 54-62.

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33. Mukhopadhyay, D., Houchen, C., Kennedy, S., Dieckgraefe, B.K., and **Anant, S.** 2003. Coupled mRNA Stabilization and Translational Silencing of Cyclooxygenase-2 by a Novel RNA Binding Protein, CUGBP2. Mol. Cell 11:113-126. PMID:12535526.

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36. Li, A., Crimmins, D.l., Luo, Q., Hartupee, J., Landt, Y., Ladenson, J.H., Wilson, D., **Anant, S.**, and Dieckgraefe, B.K. 2003. Expression of Novel Regenerating Product, Reg IV, by High Density Fermentation in Pichia Pastoris: Production, Purification and Characterization. Protein Exp Purif.31: 197-206.

37. Mukhopadhyay, D., Jung, J., Murmu, N., Houchen, C., Dieckgraefe, B.K., and **Anant, S.** 2003. RNA binding protein CUGBP2 plays a critical role in apoptosis of breast cancer cells in response to genotoxic injury. Ann. NY Acad. Sci. Vol 1010: 504-509. PMID:15033780.

38. Murmu, N., Jung, J., Mukhopadhyay, D., Houchen, C.W., Riehl, T.E., Stenson, W.F., Morrison, A.R, Arumugam, T., Dieckgraefe, B.K., and **Anant, S**. 2004. Dynamic Antagonism Between RNA Binding protein CUGBP2 and Cyclooxygenase-2 in Intestinal Epithelial Radiation Damage. Proc Natl Acad Sci USA 101: 13873-13878, published online 9 September 2004, 10.1073/pnas.0406066101 PMID:15358864.

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41. Sainathan, S.K., Tu, L., Bishnupuri, K.S., Han, M, Li, A., Newberry, R.D., McDonald, K.G., Crimmins, D.L., Houchen, C.W., **Anant, S**., and Dieckgraefe, B.K. PEGylated Murine Granulocyte-macrophage Colony-stimulating Factor: Production, Purification, and Characterization. Protein Sci 44: 94-103. PMID:16213750.

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43. Sureban, S.M., Giridharan, P., Balakrishnan, A., Dieckgraefe, B.K., and **Anant, S.** 2005. Galangin, an Ingredient in Alpinia Galanga Partially Suppresses TNF-alpha Mediated Induction of Interleukin-8 Gene Expression, Biomedicine, 25 (1,2): 11-18.

44. Bishnupuri K.S., Qizhi, L., Murmu, N. Houchen, C.W., **Anant, S**., and Dieckgraefe, B.K. 2006. Reg IV Activates the Epidermal Growth Factor Receptor/Akt?AP-1 Signaling Pathway in Colon Adenocarcinomas. Gastroenterology 130: 137-149. PMID:16401477.

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49. Subramaniam, D., Ramanujam, R.P., Betz, J.M., Murali, P.M., Houchen, C.W. **and Anant, S.** 2007. A Novel in vitro Method to Determine the Bioactivity of Phytochemicals in Botanical Extracts. FMR Workshop Proceedings. Pg 44-56.

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125. Ahmed I, Papineni R, Bradley K, **Anant S**, LeVine S, Umar S. Mice With Allelic Variation on Chromosome 11 Respond Differentially to Citrobacter Rodentium Infection. DDW 2012, Orlando, FL

126. Ramalingam S, Subramaniam D, Anant S. RBM3 drives tumor angiogenesis by modulating miR-210. AACR, Washington DC, 2013

127. Subramaniam D, Ponnurangam S, Umar S, Ramalingam S, Jensen RA**, Anant S.** Honokiol affects stem cell viability in part through suppression of Hippo signaling pathway. AACR, Washington DC, 2013

128. Rangarajan P, Subramaniam D, Kwatra D, Islam S, Palaniyandi K, **Anant S**, Dhar A. Cancer stem cells: novel chemopreventive targets for pancreatic cancer. AACR, Washington DC, 2013

129. Kwatra D, Subramaniam D, Standing D, Mitra AK, **Anant S.** Bitter melon extracts enhance the activity of chemotherapeutic agents through the modulation of multiple drug resistance. AACR, Washington DC, 2013

130. Sainathan, S., Paul, S., Palaniyandi, K., Subramaniam, D, Ramalingam, S, Tawfik, O, Iwakuma, T, Welch, D, Padhye, SB, **Anant, S** and Dhar, A. Histone Demethylase KDM3A: Novel Epigenetic Target for Pancreatic Cancer. Poster Presentation. 106th American Association of Cancer Research Annual meeting, Philadelphia, PA, April 2015

131. Subramaniam, D., Ponnurangam, S., Sayed, A., Dhar, A., Dixon, D.A. Tawfik, O.W., Parab, R.R., Ranadive, P., Sharma, R., Mahajan, G., Sugumar, A., Jensen, R.A., Balakrishnan, A., **Anant, S.** Quinomycin A affects pancreatic cancer stem cells in part through suppression of Notch Signaling Pathway. Poster Presentation 106th American Association of Cancer Research Annual meeting, Philadelphia, PA, April 2015

132. Subramaniam, D., Ponnurangam, S., Kwatra, D., Kaushik, G., Ramamoorthy, P., Ramalingam, S., Tawfik, O.W., Weir, S.J., Padhye, S.B., Umar, S., Dixon, D, A., Jensen, R.A., and **Anant, S.** Honokiol prevents colonic tumorigenesis and affects stem cell viability by affecting oncogenic YAP1. Poster Presentation. 106th American Association of Cancer Research Annual meeting, Philadelphia, PA, April 2015

133. Rangarajan, P., Ramalingam, S., Subramaniam, D., Baltezor, M.J. Wood, R., **Anant, S.** and Weir, S.J. Ciclopirox Prodrug for the prevention of Non-Muscle Invasive Bladder Cancer. Poster Presentation. 106th American Association of Cancer Research Annual meeting, Philadelphia, PA, April 2015

134. Ramamoorthy, P., Ramalingam, S., Subramaniam, D., Dantawate, P., Tawfik, O.W., Weir, S.J., Padhye, S.B., Umar, S., Jensen, R.A., and **Anant, S.** A novel "Tumor in a Dish" method to study primary and metastatic colon cancer; differential therapeutic responses in cancers with mismatch repair defects. Oral Presentation. Digestive disease week, Washington, DC, May 201

135. Ahmed, I., Roy, B.C., Subramaniam, D., Tawfik, O.W., Padhye, S.B., **Anant, S** and Umar, S. Phytochemicals target epigenetic signaling to block cancer stem cell-driven colon carcinogenesis. Poster Presentation. Digestive disease week, Washington, DC, May 2015

136. Standing, D., Dandawate, P, Subramaniam, D., Jensen, R.A., **Anant, S.** Gedunin, a natural HSP-90 inhibitor from the Indian Neem tree inhibits growth of chemoresistant ovarian cancer cell lines. 2nd Annual Meeting of the International Ovarian Cancer Consortium and the Symposium on Tumor Microenvironment and Therapeutic Resistance, Oklahoma, OK, August 16-18, 2015.

137. Dandawate P, Kaushik G, Subramaniam D, Ramamoorthy P, Weir S, Jensen R, Anant S. Targeting Prolactin Signaling to Suppress Pancreatic Cancer Stem Cells. , KUCC Research Symposium, Kansas City, Kansas, 2016

138. Dandawate P, Kaushik G, Subramaniam D, Ramamoorthy P, Weir S, Jensen R, Anant S. Targeting Prolactin Signaling to Suppress Pancreatic Cancer Stem Cells. AACR, New Orleans, Louisiana, 2016

139. Dandawate P, Kaushik G, Subramaniam D, Ramamoorthy P, Weir S, Jensen R, Anant S. Targeting prolactin signaling using an anti-psychotic drug Penfluridol to suppress pancreatic cancer stem cells. HSDS-2016, ISTRA, Pune, 2016

140. Dandawate P, Kaushik G, Subramaniam D, Ramamoorthy P, Weir S, Jensen R, Padhye S, Anant S. Targeting Colon Cancer Stem Cells: Novel marmelin analog THB suppresses DCLK1 and Notch Signaling. AACR, New Orleans, Louisiana, 2016

141. Kaushik G, Sheldon J, Dandawate P, Subramaniam D, Standing D, Anant S and Mammen M. Notch signaling is a key pathway involved in drug resistance in melanoma cells. AACR, New Orleans, Louisiana, 2016

142. Sheldon J, Kaushik G, Dandawate P, Subramaniam D, Standing D, Anant S, Mammen M. Notch-2 and -4 May Mediate Vemurafenib Drug Resistance in Melanoma. 11th Annual Academic Surgical Congress, Jacksonville, Florida, 2016

143. Sayed AAA, Subramaniam D, Umar S, Thomas SM, **Anant S.** Determining the role of RBM3 mediated Œ≤-catenin activation in colon cancer, at the KUCC symposium at University of Kansas Medical Center, November 18, 2016.

144. Subramaniam, D., Ponnurangam, S., Dandawate, P.R., Tawfik, O.W., Jensen, R.A., Weir, S.J., Padhye, S.B., and **Anant, S.** Targeting Colon Cancer Stem Cells: Novel marmelin analog THB suppresses DCLK1 and Notch Signaling. Poster Presentation. 107th American Association of Cancer Research Annual meeting, New Orleans, Louisiana, LA, April 2016.

145. Subramaniam, D., Ponnurangam, S., Kaushik, G., Ramamoorthy, P., Dhar, A., Tawfik, O.W., Umar, S., Weir, S.J., Jensen, R.A., Balakrishnan, A. and **Anant, S.** Quinomycin A inhibits pancreatic cancer growth and affects stem cell viability by inhibiting oncogenic YAP1 function. Poster Presentation. 107th American Association of Cancer Research Annual meeting, New Orleans, Louisiana, LA, April 2016.

146. Dandawate, P.R., Kaushik.G. Subramaniam, D., Ramamoorthy, P., Weir, S.J., Jensen, R.A. and **Anant, S.** Targeting Prolactin Signaling to Suppress Pancreatic Cancer Stem Cells. Poster Presentation. 107th American Association of Cancer Research Annual meeting, New Orleans, Louisiana, LA, April 2016

147. Subramaniam, D., Ponnurangam, S., Fnu, G., Ramamoorthy, P., Tawfik, O.W., Umar, S., Weir, S.J., Jensen, R.A. and **Anant, S.** Targeting c-Kit suppresses Hippo signaling in colon cancer stem cells. Oral Presentation. Digestive Disease Week, San Diego, CA, May 2016

148. Subramaniam, D., Ponnurangam, S., Fnu, G., Ramamoorthy, P., Weir, S.J., Jensen, R.A. and **Anant, S.** Targeting Tumor Microenvironment by Quinomycin in Pancreatic Cancer. Poster Presentation. Regional Tumor Microenvironment meeting in Minneapolis, MN, May 2016

149. Ramesh, V., Subramaniam, D., **Anant S.** Investigating inflammation due to Colitis in response to novel compound Penfluridol. Poster Presentation. The University of Kansas Cancer Center, Research Symposium. November 2016.

150. Snyder, V., Standing, D., Kumar, D., **Anant, S.,** and Thomas, S.M. Characterization of DCLK1 as a stem cell marker for head and neck squamous cell carcinoma. 35th annual event of the Association of Women Surgeons, October 2016.

151. Valdez, K., Ramamoorthy, R., **Anant, S.** and Jensen, R. Targeting BRCA1 through natural HSP90 inhibitors to reverse platinum resistance in TNBC. Proceedings of the AACR Special Conference on DNA Repair: Tumor Development and Therapeutic Response; 2016 Nov 2-5; Montreal, QC, Canada. Philadelphia (PA): AACR; Mol Cancer Res 2017;15(4_Suppl):Abstract nr B36.

152. Dandawate P, Kaushik G, Subramaniam D, Ghosh C, Choudhury S, Standing D, Ramamoorthy P, Manzardo A, Sayed A, Banerjee S, Bulter M, Dhar A, Thomas S, Santra S, Padhye S, Tawfik O, Weir S, Jensen R, Anant S. Targeting Prolactin Receptor Signaling using Antipsychotic Drug to Suppress Pancreatic Cancer. FASEB conference, Stemboat Springs, CO, USA "Growth Hormone/Prolactin Family in Biology & Disease", Steamboat Springs, Colorado, 2017

153. Dandawate P, Kaushik G, Subramaniam D, Ramamoorthy P, Paul S, Dhar A,. Thomas S, Santra S, Padhye S, Tawfik O, Weir S, Jensen R, Anant S. Repurposing Penfluridol: an Old Antipsychotic drug that Therapeutically Targets Prolactin Receptor in Pancreatic Cancer. DDW 2017, Chicago, 2017

154. Dandawate P, Kaushik G, Subramaniam D, Ramamoorthy P, Paul S, Dhar A,. Thomas S, Santra S, Padhye S, Tawfik O, Weir S, Jensen R, Anant S. Targeting prolactin signaling in pancreatic cancer with an antipsychotic drug. 15th Annual K-INBRE Symposium, Kansas, 2017

155. Angulo, P., Subramaniam, D., Chastain, K., Guest, E., Fulbright, J., August, K., **Anant, S.** Antagonizing Prolactin Induced JAK/STAT Signaling in Osteosarcoma. Poster Presentation. 2017. Pediatric Blood & Cancer 64, S51-S51

156. Sayed AAA, Subramaniam D, Umar S, Thomas SM, **Anant S.** RBM3 causes differential expression lncRNA in colon cancer cell lines. AACR; 2017. Cancer Research 77 (13 Supplement), 3486-3486

157. Sayed AAA, Subramaniam D, Umar S, Thomas SM, **Anant S.** RBM3 regulates chromatin remodeling of DCLK1 in colon cancer, at the KUCC symposium at University of Kansas Medical Centre, December 1, 2017

158. Subramaniam, D., Ponnurangam, S., Dandawate, P.R., Kaushik G, Tawfik, O.W., Jensen, R.A., Santra, S., Padhye, S.B., Weir, S.J., and **Anant, S.** Novel marmelin analog DBQ targets Notch signaling pathway in colon cancer stem cells. Poster Presentation. American Association of Cancer Research Annual meeting, Washington, DC, April 2017

159. Sayed, A., Venugopal, A., Subramaniam, D., Umar, S., Thomas, S.M., and **Anant S.** Determining the role of RBM3 mediated β-catenin activation in colon cancer. Poster Presentation. American Association of Cancer Research Annual meeting, Washington, DC, April 201760. Krishnamachary, B., Subramaniam, D., Attard, T., Septer, S and **Anant S.** γ-Mangostin, a natural xanthone derivative targets wnt signaling pathway in colon cancer cells. Poster Presentation. American Association of Cancer Research Annual meeting, Washington, DC, April 2017

160. Dandawate, PR., Fnu, G., Subramaniam, D., Ramamoorthy, P., Paul, S., Dhar, A., Thomas, S.M., Santra, S., Tawfik, O.W., Weir, S.J., Jensen, R.A., and **Anant, S.** Repurposing Penfluridol: an Old Antipsychotic drug that Therapeutically Targets Prolactin Receptor in Pancreatic Cancer. Oral Presentation. Digestive Disease Week, Chicago, IL, May 2017

161. Angulo, P., Chastain, K., Subramaniam, D., **Anant, S.** Pimozide, an antipsychotic derivative, targets the STAT signaling pathway in osteosarcoma. American Association of Pediatric Cancer Research Annual meeting, Washington, DC, May 2017. Poster Presentation. Clinical Cancer Research 24 (2 Supplement), A26-A26

162. Dandawate P, Kaushik G, Subramaniam D, Ghosh C, Choudhury S, Standing D, Ramamoorthy P, Manzardo A, Sayed A, Banerjee S, Bulter M, Dhar A, Thomas S, Santra S, Padhye S, Tawfik O, Weir S, Jensen R, Anant S. Prolactin Receptor, a novel Target for Pancreatic Ductal Adenocarcinoma. American Pancreatic Association (APA) meeting, Miami, 2018

163. Dandawate P, Kaushik G, Subramaniam D, Ghosh C, Choudhury S, Standing D, Ramamoorthy P, Manzardo A, Sayed A, Banerjee S, Bulter M, Dhar A, Thomas S, Santra S, Padhye S, Tawfik O, Weir S, Jensen R, Anant S. Prolactin Receptor Signaling using Antipsychotic Drug to Suppress Pancreatic Cancer. Experimental Biology. San Diego, CA, 2018

164. Dandawate P, Kaushik G, Subramaniam D, Ghosh C, Choudhury S, Standing D, Ramamoorthy P, Manzardo A, Sayed A, Banerjee S, Bulter M, Dhar A, Thomas S, Santra S, Padhye S, Tawfik O, Weir S, Jensen R, Anant S. Targeting prolactin receptor signaling using antipsychotic drug to suppress pancreatic cancer. University of Kansas Cancer Center Research Symposium, Kansas City, 2018

165. Sayed AAA, Choudhury, S, Subramaniam D, Gunewardena, S, Ponnurangam S, Dandawate, P, Umar S, Jensen, RA, Thomas, SM, **Anant, S.** "RBM3 increases tumor progression by increasing stemness and metastasis in colon cancer", at the KUCC symposium at University of Kansas Medical Centre, November 2018

166. Sayed AAA, Choudhury, S, Subramaniam D, Gunewardena, S, Ponnurangam, Thomas, SM, Anant, S. RNA binding protein RBM3 regulates chromatin remodeling at the DCLK1 promoter in colon cancer cells. Student research Forum, University of Kansas Medical Centre, 2018

167. Subramaniam, D., Ponnurangam, S., Dandawate, P., Tawfik, O. W., Jensen, R.A., Santra, S., Padhye, S, Weir, S.J. and **Anant, S.** Novel Marmelin Analog MRL16 targets Notch signaling pathway in colon cancer stem cells. Oral Presentation. Digestive Disease Week, Washington, DC, June 2018

168. Dandawate, PR., Fnu, G., Subramaniam, D., Ramamoorthy, P., Gosh, C., Dhar, A., Thomas, S.M., Santra, S., Tawfik, O.W., Weir, S.J., Jensen, R.A., and **Anant, S.** Targeting the Prolactin Receptor Signaling Using an Antipsychotic Drug to Suppress Pancreatic Cancer. Oral Presentation. Experimental Biology meeting San Diego, CA, April 2018

169. Lee, E. Reed, G. Dandawate, PR., Kaushik, G., Subramaniam, D., Holzbeiertein, J.M., P., **Anant, S**. Weir, S.J. Repurposing ethacrynic acid for the treatment of bladder cancer. Poster Presentation. American Society of Clinical Oncology (ASCO) Annual Meeting. Chicago, IL June 2018

170. Krishnamachary, B., Ramamoorthy, P., Subramaniam, D., Attard, T., Septer, S and **Anant S.** γ-Mangostin, a natural xanthone derivative targets wnt signaling pathway in Familial Adenomatous polyposis patient derived cell lines. Poster Presentation. Digestive Disease Week, Washington, DC, June 2018

171. Sayed, A., Subramaniam, D., Umar, S., Thomas, S.M., and **Anant S.** RBM3 increases tumor progression by increasing stemness and metastasis in colon cancer. Oral Presentation. Digestive Disease Week, Washington, DC, June 2018

172. Standing, D., Snyder, V., Dandawate, P., Subramaniam, D., New, J., Padhye, S., **Anant, S.** and Thomas, S.M. 3,5-bis(2,4-difluorobenzylidene)-4-piperidone, a novel compound potently inhibits HNSCC through a DCLK1 mediated mechanism. Poster Presentation. American Association of Cancer Research Annual meeting, Chicago, IL, April 2018

173. Standing, D., Dandawate, P., Subramaniam, D., Ponnurangam, S., Roby, K., Jensen, R.A., Weir, S.J., **Anant, S.** TCS2210, a novel compound that targets IRAK1 in ovarian cancer. KUCC symposium at University of Kansas Medical Centre, November 2019.

174. Ryan, R.J, Ramamoorthy, P., Subramaniam, D., Weir, S.J and **Anant, S.** Ciclopirox Inhibits In Vitro and In Vivo Growth of Esophageal Carcinoma Cells. Poster Presentation. American Association of Cancer Research Annual meeting, Chicago, IL, April 2018.

175. Subramaniam, D., Ponnurangam, S., Ramamoorthy, P., Kaushik, G., Weir, S.J., Jensen, R.A. Thomas, S.M. and **Anant, S.** Cancer Associated fibroblasts modulating activity of DCLK1+ cells in Pancreatic Cancer. Poster Presentation. Midwest Tumor Microenvironment Conference, Iowa City, IA, May 2018

176. Sayed AAA, Choudhury, S, Subramaniam D, Gunewardena, S, Ponnurangam S, Dandawate, P, Umar S, Jensen, RA, Thomas, SM, **Anant, S.** RNA Binding Protein RBM3 Modulates Novel LncRNAs to Increase Tumor Progression in Colon Cancer Cells. The FASEB Journal 34 (S1), 1-1

177. Ghosh C, Palaniyandi K, Paul S, Dandawate P, Rawal S, Subramaniam D, Padhye S, Gunewardena S, Thomas S, O'Neil M, Jensen RA, Welch D, Milisky S, Weir S, Iwakuma T, Anant S, Dhar A. KDM3A and DCLK1 interactions promote stemness and tumorigenesis in PDAC. American Association for Cancer Research, 2019

178. Ahmed, I, Roy, B.C., Raach, R.T, Manley, S.J., Srinivasan, P., Dandawate, P., Sayed, A., Welch, D.R., **Anant, S.,** Sampath, V., Umar. S. Dietary interventions ameliorate infectious colitis through differential regulation of Lgr5 [abstract]. In: Proceedings of the American Association for Cancer Research Annual Meeting 2019; 2019 Mar 29-Apr 3; Atlanta, GA. Philadelphia (PA): AACR; Cancer Res 2019;79(13 Suppl):Abstract nr 654

179. Sayed AAA, Choudhury, S, Subramaniam D, Gunewardena, S, Ponnurangam S, Dandawate, P, Umar S, Jensen, RA, Thomas, SM, **Anant, S.** "RNA Binding Protein RBM3 Augments Kissing Loops Between lncRNA-mRNA to Promote Translation of Stemness & Epithelial Mesenchymal Transition Genes. KUCC symposium at University of Kansas Medical Centre, November 2019

180. Sayed AAA, Choudhury, S, Subramaniam D, Gunewardena, S, Ponnurangam S, Dandawate, P, Umar S, Jensen, RA, Thomas, SM, **Anant, S.** RBM3 modulates of novel lncRNA to increases tumor progression in colon cancer cells. 5th Annual Midwest Tumor Microenvironment Meeting, 2019

181. Sayed AAA, Choudhury, S, Subramaniam D, Gunewardena, S, Ponnurangam, Thomas, SM, Anant, S. Modulation of novel lncRNA by RNA binding protein RBM3 increases tumor progression in colon cancer cells. Student research Forum University of Kansas Medical Centre, 2019

182. Standing, D., Dandawate, P., Ponnurangam, S., Subramaniam, D., Kaushik, G., Roby, K., Khabele, D., Iwakuma, T., Godwin, A., Jensen, R.A., Weir, S.W., and **Anant, S.** Elucidating the role of IRAK1 in OvCa chemoresistance and progression. 5th Annual Midwest Tumor Microenvironment Meeting, Notre Dame, IN, May 2019

183. Standing, D., Dandawate, P., Ponnurangam, S., Subramaniam, D., Kaushik, G., Roby, K., Khabele, D., Iwakuma, T., Godwin, A., Jensen, R.A., Weir, S.W., and **Anant, S.** IRAK1 is a novel therapeutic target in chemoresistant ovarian cancer. KUCC symposium at University of Kansas Medical Centre, November 2019

184. Sayed AAA, Gunewardena, S., Pritchard, M., Pathak, H., Peterson, S., Jensen, R.A., Weir, S.J., and **Anant, S.** Elucidating the role of IRAK1 in OvCa chemoresistance and progression. 5th Annual Midwest Tumor Microenvironment Meeting, Notre Dame, IN, May 2019

185. Subramaniam, D., Ponnurangam, S., Ramamoorthy, P., Dhar, A., Weir, S.J., Jensen, R.A. Thomas, S.M. and **Anant, S.** Cancer Associated fibroblasts modulating activity of DCLK1+ cells in Pancreatic Cancer. Oral Presentation. Midwest Tumor Microenvironment Conference, Notre Dame, IN, May 2019

186. Subramaniam, D. and **Anant, S.** Tuft Cell Protein Doublecortin like Kinase 1 activates Akt/Notch signaling pathway to regulate colon cancer growth and stemness. Oral Presentation. Digestive Disease Week, Chicago, IL, May 2020

187. Dandawate P, Parikh R, Peng H, Baranda J, Weir S, Anant S. Novel Combination of Prolactin-Signaling Inhibitor Promethazine with Gemcitabine and Paclitaxel to Inhibit Pancreatic Cancer Growth. American Pancreatic Association meeting. 2020

188. Dandawate P, Parikh R, Peng H, Baranda J, Weir S, Anant S. Promethazine targets prolactin-signaling and inhibit cancer growth in combination with Gemcitabine and Paclitaxel. University of Kansas Cancer Center Research Symposium, 2020

189. Weir SJ, Dandawate P, Ramamoorthy P, Ranjarajan P, Wood R, Brinker A, Woolbright B, Tanol M, Ham T, McCulloch W, Dalton M, Baltezor M, Jensen RA, Taylor JA, Anant S. Fosciclopirox suppreses growth of high-grade urothelial cancer by targeting Notch Signaling. American Association for Cancer Research, 2020

190. Subramaniam, D., Ponnurangam, S., Reed-Newman, T., Ramamoorthy, P., Sweeney, K, Rosenthal H., Weir, S.J., Samuel, G., Neville, K., Chastain, K. and **Anant, S.** The Diphenylbutylpiperidine Antipsychotic Penfluridol inhibits Rhabdomyosarcoma Cell growth and Stemness by Suppressing STAT3 Signaling and Inducing Autophagic Cell Death. Poster Presentation. KUCC Research Symposium Week 2020. Kansas City, KS, October 2020

191. Sayed AAA, Choudhury, S, Subramaniam D, Gunewardena, S, Ponnurangam S, Dandawate, P, Umar S, Jensen, RA, Thomas, SM, **Anant, S.** RBM3 augments the kissing-loop formation of lncRNA-mRNA to enhance translational control. 6th Annual Midwest Tumor Microenvironment Meeting, August 2020

192. Ramamoorthy. P., Thomas, S.M., Jensen, R.A. and **Anant, S.** Tumor in a Dish (TiD): Novel approach for precision therapy using patient derived cells. PREDICT: 5th Annual 3D Oncology and Tissue Model Summits, September 30 – October 1, 2020

193. Ramamoorthy, P., Dandawate, P., Jensen, R.A., **Anant, S.** BRCA1 inhibition through increased HSP90 interaction and cytoplasmic localization: enhanced cytotoxicity of Triple Negative Breast Cancer by HSP90 inhibitors. Poster Presentation. KUCC Research Symposium Week 2020. Kansas City, KS, October 2020

194. Standing, D., Dandawate, P., Snyder, V., Subramaniam, D., Ponnurangam, P., Arnold, L., Srinivasan, P., New, J., Kwatra, D., Roy, B.C., Ramamoorthy, P., Enders, J., Al-Rajabi, R., O'Neil, M.O., Gunewardena, S., Ashcraft, J., Umar, S., Weir, S.J., Tawfik, O., Padhye, S., **Anant, S.** and Thomas, S.M. Doublecortin like kinase 1 is a therapeutic target in squamous cell carcinoma. American Association of Cancer Research Annual meeting, 2020

195. Standing, D., Dandawate, P., Sayed AAA, Gunewardena, S., Pritchard, M., Pathak, H., Subramaniam, D., Peterson, S., Khabele, D., Roby, K., Jensen, R.A., Weir, S.J., and **Anant, S.** IRAK1: a novel TOLLway to target chemoresistant ovarian cancer. 6th Annual Midwest Tumor Microenvironment Meeting, August 2020

196. Standing, D., Dandawate, P., Sayed AAA, Gunewardena, S., Pritchard, M., Pathak, H., Subramaniam, D., Peterson, S., Khabele, D., Roby, K., Jensen, R.A., Weir, S.J., and **Anant, S.** Hyaluronic Acid activates IRAK1 resulting in increased stemness in ovarian cancer. KUCC Research Symposium Week 2020. Kansas City, KS, October 2020

MEETING ORGANIZED:

Indo-US Science and Technology Foundation Symposium on Inflammatory Bowel Disease, New Delhi, November 2006

3rd International Conference on " Herbal and Synthetic Drug studies (HSDS-2016)" Abeda Inamdar Senior College of Arts Science and Commerce, Pune Jan 2016

Midwest Tumor Microenvironment Virtual Meeting (due to Covid-19), Kansas City, KS May 2020, Funded by NCI R13 grant, http://www.kumc.edu/midwesttme.html

Midwest Tumor Microenvironment (Follow up in person meeting), Kansas City, KS May 2021

ORIGINAL INVITED LECUTURES PRESENTATIONS:

1. Annual Meeting of the Indian Association of Medical Microbiologists, Solapur, India. 1983
2. Annual Meeting of Indian Association of Pathologists and Medical Microbiologists, Nagpur, India. 1984.
3. American Digestive Health Foundation/ American Gastroenterology Association/ Gastroenterology Research Group sponsored Academic Workshop, Tempe, AZ, 1996.
4. Invited Speaker, EMBO Workshop on RNA Editing, Maastricht, The Netherlands, 1996.
5. Invited Speaker, EMBO Workshop on RNA:Protein Interactions, Aarhus, Denmark, 1996.
6. Invited Speaker, Fall Meeting (Herbsttagung 1998) of the Gesellschaft (German Association) fur Biochemie und Molekularbiologie, Jena, Germany, 1998.
7. Invited Speaker, FASEB Summer Research Conference on Intestinal Lipid Absorption, Metabolism

and Transport, Saxtons River, Vermont, 2000.

8. Invited Speaker, Indian Association for Bio Medical Sciences, Chennai, July 2000.
9. Distinguished Abstracts Plenary Session Speaker, Digestive Disease Week, 2000.
10. Invited Speaker, Midwest Lipid Group, Saint Louis, MO. 2000.
11. Visiting Professor, Department of Surgery, University of Cincinnati Medical School, Oct. 2001.
12. Visiting Professor, Department of Medicine, Emory University School of Medicine, Aug. 2001.
13. Travel Award, FASEB Summer Research Conference on "Gastrointestinal Tract IX: Mechanisms of Disease and Protection" Whitefish, MT, 2001.
14. Visiting Professor, Department of Zoology, University of Madras, Chennai, India, Nov. 2001.
15. Visiting Professor, Department of Biotechnology, University of Madras, Chennai, India. Nov 2001.
16. Apoptosis 2003, Luxembourg, Jan. 2003.
17. Visiting Professor, Department of Gastroenterology, All India Institute of Medical Sciences, New Delhi, India, Feb. 2003.
18. Visiting Professor, Department of Zoology, Delhi University, India, Feb. 2003.
19. Advanced Center for Teaching, Research and Education in Cancer, Tata Memorial Cancer Center, Navi Mumbai, India, Feb. 2003.
20. Endowment Lecture, Indian Association for Bio Medical Sciences, Chennai, India, Feb. 2003.
21. Visiting Professor, University of Illinois at Chicago, Department of Biochemistry and Molecular Genetics, Sept. 2003.
22. Invited Speaker/Participant, Indo-US Science and Technology Forum, New Delhi, India, Oct. 2003.
23. Second AACR Annual International Conference on Frontiers in Cancer Prevention Research, Symposium on The Role of Apoptosis in Carcinogenesis and Cancer Prevention, Phoenix, AZ, Oct. 2003.
24. Visiting Professor, Beijing University, Beijing, China, Mar 2004.
25. Invited Speaker, 25th Annual Conference of The Indian Association of Biomedical Scientists, Chennai, India, Oct 2004.
26. Visiting Professor, Department of Biochemistry, Indian Institute of Science, Bangalore, India, Oct 2004.
27. Visiting Professor, Department of Biochemistry, University of Madras, Chennai, India, Oct 2004.
28. Visiting Professor, Department of Biochemistry and Molecular Biology, Mayo Clinic, Rochester, MN, Nov 2004.
29. Visiting Professor, Department of Internal Medicine, Ohio State University, OH, June 2005.
30. Visiting Professor, Department of Nutritional Sciences, Oklahoma State University, OK, June 2005.

31. Visiting Professor, Karmanos Cancer Center, Wayne State University, Oct 2006.
32. Invited Speaker, Foundation for Medicinal Research Symposium on Approaches towards evaluation of medicinal plants prior to clinical trials, Pune, India, Nov 2006.
33. Invited Speaker, Natural Products Society, Toronto, Canada, March 2006.
34. Invited Speaker, Indian Society of Gastroenterology Annual Conference, Mumbai, India, Nov 2006.
35. Invited Speaker, World Ayurveda Congress, Pune, India, Nov 2006.
36. Invited Speaker, Can Herbal Therapies Prevent or Inhibit the Growth of GI Cancers? Symposium on Nutrition in the Prevention and Treatment of and as a Cause of GI Cancers, Digestive Disease Week, Washington D.C. 2007.
37. Invited Speaker, Department of Microbiology, University of Malaysia, Kuala Lumpur, Sept 2007.
38. Invited Speaker, Indian Association of Biomedical Scientists, Trichy, India Sept 2007.
39. Invited Speaker, Department of Endocrinology, University of Madras, Sept 2007.
40. Visiting Professor, Scripps Institute, La Jolla, CA, Feb. 2008.
41. Invited Keynote Speaker on Inflammation and Cancer, Center for Immunopathology and Microbial Pathogenesis Retreat, West Virginia University, Morgantown, WV, Aug 2008.
42. Visiting Professor, University of Illinois at Chicago, Section of Digestive Diseases and Nutrition, Chicago, Sept 2008.
43. Invited Speaker, International Symposium on "Novel Strategies for Targeted Prevention and Treatment of Cancer", Jawaharlal Nehru University, New Delhi, Dec 2008.
44. Visiting Professor, Sri Ramachandra Medical College Deemed University, Chennai, India, Jan 2009.
45. Visiting Professor, Case Western Reserve University, May 2009.
46. Visiting Professor, University of Missouri, Kansas City, May 2009.
47. Invited Speaker, Cancer Chemoprevention Symposium, Digestive Disease Week 2009.
48. Invited Speaker and Session Chair, FASEB Summer Conference in Gastrointestinal Diseases, Aug 2009.
49. Visiting Speaker, Grand Rounds Texas Tech University, El Paso, TX Aug 2009.
50. Visiting Speaker, Markey Cancer Center Grand Rounds, University of Kentucky, Lexington, KY Sept 2009.
51. Invited Speaker, University of Alabama, Tuscaloosa, AL, Oct 2009.
52. Invited Speaker, University of Hawaii, Honolulu, Hawaii, Nov 2009.

53. Invited Speaker, American Pancreatic Association's Annual Meeting, Honolulu, Hawaii, Nov

2009.

54. Visiting Professor, Advanced Center for Teaching, Research and Education in Cancer, Tata Memorial Cancer Center, Navi Mumbai, India, Jan 2010.
55. Invited Foreign Delegate, Indian Science Congress, Trivandram, India, Jan 2010.
56. Visiting Professor, Vanderbilt University, Cancer Biology Graduate Program, Nashville, TN Jan 2010.
57. Invited Speaker, South Indian Educational Society, Mumbai, India, Jan 2010.
58. Digestive Disease Week, New Orleans, Louisiana, May 2010.
59. Invited Speaker, Stanton Family and Friends Presentation, The University of Kansas Cancer Center, Kansas City, KS, Sept 2010.
60. Visiting Speaker, Roswell Park Cancer Institute, Buffalo, New York, Oct 2010.
61. Invited Speaker, "Dreams of Hopes," South Kansas City Gala for Cancer Research, Grandview, MO, October 2010.
62. Invited Speaker, Cancer Center Research Symposium, Kansas City, KS Nov 2010.
63. Invited Speaker, Lenexa Chamber of Commerce, Overland Park, KS, Nov 2010
64. Invited Speaker, Mariner Wealth Advisors, Leawood, KS, Dec 2010
65. Invited Speaker, International Cancer Research Symposium, Trivandrum, India, Dec 2010.
66. Invited Speaker, Indian Science Congress, Chennai, India, Jan 2011.
67. Invited Speaker, Vels University, Chennai, India, Jan 2011.
68. Invited Speaker, Men's Cancer Event, Kansas City, KS, Jan 2011.
69. Invited Speaker, UMKC Seminar Series, Kansas City, MO, Jan 2011.
70. Invited Speaker, Serving Kansas Series, Topeka, KS, Feb 2011.
71. Invited Speaker, IGPBS Recruitment Weekend, Kansas City, KS, Feb 2011.
72. Visiting Professor, NYU, New York, NY, March 2011.
73. Visiting Professor, Purdu, West Lafayette, IN April 2011.
74. Invited Speaker, Kansas Board of Regents, Kansas City, KS, April 2011.
75. Invited Speaker, Carcinogenesis & Cancer Biology Program, KUCC, March 2011.
76. Invited Speaker, Resident, Postdoc, Fellow Research Day, KUMC, May 2011.
77. Invited Speaker, DDW Week 2011, Chicago, IL, May 2011.
78. Invited Speaker, UMKC AAPS Student Chapter, June 2011.
79. Invited Speaker, Emerging Trends Series, Kansas City, KS, Nov 2011.
80. Invited Speaker, AICR Conference, Washington, DC, Nov 2011.
81. Invited Speaker, China Visit to Xi'An, Nov 2011.

82. Invited Speaker, Texas Tech University, Nov 2011.
83. Invited Speaker, Saint Louis University, Nov 2011.
84. Invited Speaker, West Virgina University, Dec 2011.
85. Invited Speaker, Interdisciplinary Science and Technology Research Acadamey, Prune, India, Dec 2011.
86. Indian Science Congress, Kolkata India, Jan 2012.
87. International Conference on Perspective of Cell Signaling, Kolkata India, Jan 2012.
88. Phytocongress 2012, Tamil Nadu South India, Jan 2012.
89. Invited Speaker, Georgia State University (March 2012).
90. Invited Speaker, University of Pittsburg (April 2012).
91. Invited Speaker, Nafang Hospital Southern Medical University-Hong Kong (July 2012).
92. Invited Speaker, Georgia State Health University (August 2012).
93. Invited Speaker, Penn State University (November 2012).
94. Invited Speaker, 3rd International Cancer Research Symposium & Interdisciplinary Science and Technology Research Academy [ISTRA], India (December 2012).
95. Invited Speaker, 64th Indian Pharmaceutical Congress, India (December 2012).
96. Invited Speaker, FAV Health 5th International Symposium , India (January 2013).
97. Invited Speaker , University of Connecticut Health Center (January 2013).
98. Invited Speaker, 32nd Annual Convention of Indian Association for Cancer (February 2013).
99. Invited Speaker, Texas A & M University (February 2013).
100. Invited Speaker, Centre of Advanced Research in Indian System of Medicine [CARISM] (March 2013).
101. Invited Speaker, Center for Advanced Professional Studies [CAPS] (May 2013).
102. Invited Speaker, NIH Office of Dietary Supplements [ODS] (May 2013).
103. Invited Speaker, Amrita Bioquest 2013 (August 2013).
104. Invited Speaker, University of Arizona Comprehensive Cancer Center (Nov 2013).
105. Invited Speaker, University of Miami Cancer Symposium (January 2014).
106. Invited Speaker, 2nd International Conference on Herbal and Synthetic Drug Studies Delhi, India (January 2014).
107. Invited Speaker, Emory University School of Medicine (March 2014).
108. Invited Speaker, Cancer Research Institute Seoul National University (April 2014).
109. Invited Speaker, 6th China-US Forum on Frontiers of Cancer Research and The 3rd Zhengzhou International Cancer Research Conference, Zhengzhou, China (Oct2015).
110. Visiting Professor, Department of Cell Biology, University of Texas at Galveston, TX (Nov 2015).
111. Invited Speaker, Indian National Science Congress Association, Mysore, India (Jan 2016)

112. Invited Speaker, NIH-funded Center for Complementary and Alternative Medicine on Epigenetic Regulation and Inflammation, University of South Carolina, SC (Feb 2016).
113. Visiting Professor, Department of Medicine, Marshall University, Huntington, WV (Feb 2016).
114. Invited Speaker, Forum for Frontiers in Cancer Research, Hormel Institute, Austin, MN (June 2016).
115. Invited Speaker, SASTRA University Phytocongress, Tanjavur, India (July 2016).
116. Invited Speaker, International Conference on Radiation Biology, Ahmedabad, India (Oct 2016).
117. Invited Speaker, FASEB Summer Conference on Growth Hormone (GH)/Prolactin (PRL) Family in Biology and Disease, Steamboat Springs, CO (July 2017).
118. Visiting Professor, University of Kentucky Cancer Center, Lexington, KY (Aug 2017).
119. Invited Speaker, Annual Joseph E. and Martha E. Kutscher Research Symposium, Baylor Scott & White Hospital in Temple, TX (Oct 2017)
120. Visiting Professor, Louisiana Cancer Center, New Orleans, LA (Aug 2018)
121. Invited Speaker, Indian Science Congress Association Annual Meeting, Lovely Professional University, Punjab (Jan 2019)
122. Visiting Professor, Nutrition Seminar Series, University of Texas, Austin, TX (Jan 2019)
123. Visiting Professor, University of Miami Sylvester Cancer Center, University of Miami, FL (March 2019)
124. Invited Speaker, International Ovarian Cancer Research Consortium, and International Symposium on Tumor Microenvironment, Oklahoma City, OK (July 2019)
125. Invited Speaker, American Pancreatitis Association Annual Meeting, Maui (Nov 2019)
126. Invited Speaker, Indian Science Congress Association, Begaluru, India (Jan 2020)
127. Invited Speaker, Novel therapeutics from narual products, Victoria College, Kolkata, India (Sept 2020)

TEACHING ACTIVITIES

Course Participation-Interdepartmental:

- "Molecular Biology of the Cell" for students of the Ferrings Scholars Program, Department of Pediatrics, Washington University School of Medicine (June - Aug 2003)
- Animal Models of Inflammatory Bowel Disease in "Immunological Diseases", a Graduate course in Immunology, Washington University (Nov 2003)
- NOD2 signaling in Inflammatory Bowel Disease in "Immunological Diseases", a Graduate course in Immunology, Washington University (Nov 2004)
- Posttranscriptional Regulation of Gene Expression in "Advanced Cell Biology", a Graduate course in Molecular Cell Biology, Washington University graduate program (April 2005)
- Preparing Abstracts and Presenting in Meetings in "Summer Seminar Series" for Medical and MSTP Students, Washington University School of Medicine (July 2006)
- University of Oklahoma Health Sciences Center
- Molecular Mechanisms of Tumorigenesis, Graduate course, University of Oklahoma Health Sciences Center (Fall 2006)
- General Cell Biology Journal Club (2006 - present)
- Posttranscriptional and translational control of gene expression, in Molecular Systems I and II

Graduate Course (Fall 2008 & 2009)

- Carcinogenesis and Cancer Biology Course, University of Kansas Medical Center (March 2011)

Additional Teaching Activities– Departmental:

- Director, Weekly Gastroenterology Research Conference, School of Medicine (1998 - present)
- Designer and Administrator, Division of Gastroenterology Web site (http://gastro.wustl.edu), Washington University School of Medicine (2001 - 2003)
- "Mentors in Medicine" Steering Committee, Washington University School of Medicine (2002 - 2006)
- Residency Application Review (International Applicants), Department of Internal Medicine, Washington University School of Medicine (2004 - 2006)
- Training Medicine residents GI Fellows in translation research Residents: Dr. Nanda Srinivasan, Dr. Faiz Shakir, Fellow: Dr. Neil Roberts, Dr. Ta (2006 - 2010)
- Resident Research Grants Program, Department of Medicine, OUHSC (2008 - 2010)

Additional Teaching Activities–Graduate College:

- PhD Qualifying Review Committee, Graduate Microbiology Program, Washington University (Feb 2005)
- Graduate Qualifying Exam Committee, Tracy Nicholson, Washington University (May 2005)
- Graduate Qualifying Exam Committee, Ted Oliphant, Washington University (June 2005)
- Thesis Committee Member, Carlos Michel, Jean Schaffer (Mentor), Washington University (2005 - 2006)
- Committee member/Co-Mentor, Bryson Katona, Graduate Student, Washington University (2005)
- Thesis Committee Member, Jessica Amrozowicz Kerins, Time Schedl (Mentor), Washington University (2005 - 2006)
- Thesis Committee Member, Beverly Holden, James Thomasek (Mentor), University of Oklahoma Health Sciences Center (2007)
- March Poster Presentation Skills, Pre-GREAT workshop (2008)

Other Teaching Activites–Mentoring & Programmatic Involvement:

2006-2007	Juan diego Alonso	Undergraduate Student- University of Oklahoma
2007-2008	Nathan D. Nicholes	Undergraduate Student -University of Oklahoma
2007-2010	William Berry	Graduate Student -University of Oklahoma
2008-2013	Elizabeth Moran	Graduate Student -University of Oklahoma
2008-2012	Cate M. Moriasi	Postdoctoral Fellow -University of Oklahoma

2008-2010	Aarthi Varmon	Undergraduate Student -University of Oklahoma
2008-2009	Nandhakumar Srinivasan, M.D	Resident -University of Oklahoma
2011	Gavin J. Mohar	High School Student
2011	Druv Bhagawan	High School Student
2013	Ravi Thombre	Undergraduate Student
2013	Alissa Urich	Undergraduate Student
2014	Anup Kasi, M.D.	Medical Oncology Fellow
2014	Ravi R. Chuda, M.D.	Hospitalist
2014	Akshay Narker (Rotation-IGPBS)	Lab Rotation-IGPBS student
2015	Julia Balmaceda	Undergraduate Student
2016	Ritika S. Abhyankar	Undergraduate Student
2016	Vijayendra Ramesh	Undergraduate Student
2017	Carolina Paredes Molina	3rd year Medical student
2017	Aditya Adsule	High School Student
2017	Arjun Mahajen	High School Student
2018	Griffin Welfer	Lab Rotation-IGPBS student
2018	Connor Chestnut	2nd year Medical student
2018	Ekaolise Jose	Undergraduate Student (Washington University in St.Louis)
2018	Jadesola Akinwuntan	Undergraduate Student (Duke University)
2018	Domi Salinas	High School Student (Accelerate Cancer Education Research Program)
2018	Diego Garcia	High School Student (Accelerate Cancer Education Research Program)
2018	Laura C. Mccarthy	Fellow; Chi1dren’s Mercy Hospital
2018	Arya Chakraborty (Supervised Research)	TCGA database analysis
2019	Tong Moua	High School Student (Accelerate Cancer Education Research Program)

2019	Manasi Kothulkar (Supervised Research)	Prolactin Receptor : Metabolic Regulation of Epigenetics in Pancreatic Cancer
2010-2014	Anand Venugopal	MD/Ph.D student
2011-2014	Naveen K. Nedrugomma	Graduate Student
2011-2015	Deep Kwatra	Postdoctoral Fellow
2011-2016	Gaurav FNU	Postdoctoral Fellow
2011-2016	Parthasarathy Rangarajan	Postdoctoral Fellow
2011-2017	Aravind Sugumar, M,D	Internal Medicine Faculty
2012-2016	Seth Septer, M,D.	Children's Mercy Hospital Faculty
2014-2015	Zainab Afzal (Rotation-IGPBS)	Lab Rotation-IGPBS student
2014-2017	Angulo Pablo, D,O	Fellow; Children's Mercy Hospital
2014-2020	Afreen Sayed	Graduate Student
2015-2019	Prasad Dandawate	Postdoctoral Fellow
2016-2019	Pugazhendhi Srinivasan	Postdoctoral Fellow
2016-2019	Balaji Krishnamachary	Postdoctoral Fellow
2016-to date	David Standing	Graduate Student
2017-2019	Abeda Jamadar	Postdoctoral Fellow
2017-to date	Randi Ryan	Surgery Resident
2018 - 2019	Sophia Olvera	High School Student
2018 - 2019	Sobia Ansari	High School Student
2018 - 2019	Rohit Nukala	High School Student
2018 - 2019	Janhvi Parsai	High School Student
2018 - 2019	Grace Zhu	High School Student
2018-2019	Peyton Panovich	High School Student
2019 - 2021	Janhvi Parsai	High School Student
2020	Rena Stair	Lab Rotation-IGPBS student
2020 - Present	Akshat Singh	High School Student
2020 - Present	Andrew Howard	High School Student

2020 – Present	Riya Parekh	Undergraduate Student, K-INBRE recipient
2021-Present	Jadesola Akinwunton	Medical Student, KUCC summer student award recipient