

CURRICULUM VITAE

NAME: Bellur S. Prabhakar, MSc, PhD.

Present Position and Address

Professor

Departments of Microbiology and Immunology and Ophthalmology

Interim Senior Associate Dean for Research

Associate Dean for Research and Training Programs

University of Illinois- College of Medicine

Education

1970 University of Mysore, India, B.Sc., (Biology and Chemistry)

1973 University of Mysore, India, M.Sc., (Medical Microbiology)

1980 Johns Hopkins University, Baltimore, Maryland, Ph.D., (Viral Immunology)

Professional and Teaching Experience

1973-1974 Pre-Doctoral Student, National Institute of Virology, Poona, India

1974-1975 Research Assistant, Johns Hopkins University, Baltimore, MD

1975-1979 Research Assistant and Ph.D. Student, Johns Hopkins University, Baltimore, MD

1979-1980 Post-Doctoral Fellow, University of Pennsylvania, Philadelphia, PA

1980-1983 Staff Fellow, Laboratory of Oral Medicine, National Institute of Dental Research, National Institutes of Health, Bethesda, MD

1983-1987 Senior Staff Fellow, Laboratory of Oral Medicine, National Institute of Dental Research, National Institutes of Health, Bethesda, MD

1987-1990 Senior Investigator, (**Tenured**) Laboratory of Oral Medicine, National Institute of Dental Research, National Institutes of Health, Bethesda, MD

1990-1991 Associate Professor, Department of Microbiology/Immunology, University of Texas Medical Branch, Galveston, TX

1997- Professor, Department of Microbiology and Immunology

1991-1997 Professor, Department of Microbiology/Immunology, University of Texas Medical Branch, Galveston, TX

1997-2016 Professor and Head, Department of Microbiology and Immunology, University of Illinois College of Medicine, Chicago, IL

2004-2013 Director, Immunology Center, University of Illinois College of Medicine, Chicago,

2009-2011 Associate Director, Novel Translational & Collaborative Studies, CCTS, University of Illinois at Chicago, Chicago, IL

2013-2014 Associate Dean for Research and Training Programs, University of Illinois University of Illinois College of Medicine, Chicago, Chicago, IL

2014- Associate Dean for Technological Innovation and Training, University of Illinois College of Medicine, Chicago, Chicago, IL

2014- Professor, Department of Ophthalmology and Visual Sciences. University of Illinois College of Medicine, Chicago, IL

2016-2017 Interim Director, Center for Global Health, University of Illinois College of Medicine. Chicago, IL

2019- Interim Senior Associate Dean for Research, University of Illinois College of Medicine. Chicago, IL

Honors and Awards

Grant from the John W. Graham fund for the best thesis proposal on "The role of immune system in the pathogenesis of rabies, December 1976.

United States Public Health Service Award: September, 1978.

Director's Merit Award: National Institute of Dental Research, 1989.

Charter Member, Hypersensitivity, Autoimmune and Immune-mediated diseases (Current)

Associate Editor: J. Immunology (Until 2001)

Member, Editorial Board, Endocrinology (Until 2001)

President, Chicago Association of Immunologists (2001-2003)

Member, Executive Council of the Association of Medical School Microbiology and Immunology Chairs (2001-2004)

Member, National Caucus of Basic Biomedical Science Chairs (20013-2004)

Member, Editorial Board, Autoimmunity (Since 2003)

Member, Editorial Board, Journal of Clinical Endocrinology and Metabolism (2013-2018)

Charter Member, Integrative clinical endocrinology and reproduction study section (2004-2009)

Member, Endocrinology IRG (served as Ad hoc for over 10 years)

Member, Microcirculation and target organ damage in rheumatic and skin diseases IRG (Ad hoc)

Member, Allergy, Immunology, and Transplantation Research Committee IRG 2009

Member, Special Emphasis Panel (ZRG1 EMNR-A02) 2009

Member, Special Emphasis panel (ZRG1 MOSS TO2) 2011

Member, Special Emphasis panel (ZRG1 MOSS S-(04) 2011

Member, NCI PO1 Special Emphasis panel 2013

Charter Member, Hypersensitivity, Autoimmune Disease Study Section (2015-2019)

Central Research Review Committee, American Heart Association, Texas Affiliate

Reviewer, VA Grant Merit Review Program

Reviewer, National Medical Research Council (Singapore)

Reviewer, Wellcome Trust, Biomedical Science. UK.

Consultant, Laboratory of Oral Medicine, NIDR, NIH (Past).

Consultant, General Biometrics. San Diego, CA (Past).

Consultant, Genemedicine, Houston, TX (Past).

Consultant, BBBL, Bangalore, India (Past)

Consultant, Genzyme. MA (Past)

Consultant, Bristol-Myers Squibb. NJ (Past)

Consultant, MPRI, Arlington, VA. (Past)

Member, Scientific Advisory Board. Nanodisc. IL (Past)

Founder. Tolerogenics. Inc. IL (Past)

Consultant, CEVA Arlington, VA. (Current)

Founder, Mariam Medical, Inc. DE (Past)

Founder and CSO, Jivana Therapeutics, Inc (Current)

Founder and President, Sahane Biotech, Inc (Current)

Commencement Speaker at Ramaiah Medical College, Bengaluru. India. 2016

University of Illinois-College of Medicine Dean's Distinguished Service Award. 2018

Research Activities:

Areas of Research: Etiology, Pathogenesis and pathology of autoimmune disorders including diabetes and the role of *IG20* splice variants in cancer and cell death.

Issued Patents:

1. Title: Uses of bispecific antibody coated dendritic cells pulsed with antigens and GM-CSF in immune regulation.

Patent ID: US7527972

Issue Date: May 05, 2009

Inventors: Bellur S. Prabhakar, Mark J. Holterman, Chethamarakshan Vasu and Matthew N. Meriggioli

2. Title: Antibodies to SARS coronavirus

Patent ID: US 7728110

Issue Date: June 01, 2010

Inventors: John S. Babcook, Bellur S. Prabhakar and Melissa Coughlin

3. Title: IG20 splice variants therapeutics for cancer

Patent ID: US 7,910,723 B2

Issue Date: March 22, 2011

Inventors: Bellur S. Prabhakar and Nirupama Mulherkar

4. Title: Methods and compositions of IG20 and DENN-SV splice variants

Patent ID: US 8,722,637

Issue Date: May 13, 2014

Inventors: Bellur S. Prabhakar

5. Title: Anti-CLTA4, anti-GLUT2 protein for the treatment of type 1 diabetes

Patent ID: US 8,822,649 B2; 9.221.911 B2

Issue Date: September 2, 2014; December 29, 2015

Inventors: Bellur S. Prabhakar, Chenthamarakshan Vasu, Palash Bhattacharya

Ongoing Research Support

VA I01BX004697-01A1

Prabhakar (PI)

04/01/20-03/31/24

Co-targeting MADD and Wnt/ β -catenin signaling in Anaplastic Thyroid Cancer

Role: Principal Investigator Will be funded

Vanda Pharmaceuticals

Prabhakar (PI)

04/01/20-03/31/22

In Search of Therapy for COVID-19

Role: Principal Investigator

Medtronic Philanthropy

Vanden Hoek (PI)

06/01/15-05/31/20

Heart Rescue India: Expanding Access to Care for People Suffering from Acute Cardiovascular Events

Role: Co-Investigator

Pending/Submitted Grants:

NIH Ad Supplement: MPI-Prabhakar/Mermelstein/Novak)

10/01/20-09/30/21

SARS-CoV-2 Natural History and Immunity in Diverse Populations (SNAP) 20%:(PI on this MPI grant) COVID19 SARS-CoV-2 Natural History and Immunity in Diverse Populations (SNAP)

NIH U01

Prabhakar (PI)

10/01/20-09/30/2025

Evolution and persistence of protective immune response during natural COVID-19 infection in a diverse patient population

NIH Ad Supplement: Asrar Malik (Prabhakar (Co-I)) 09/01/2020-08/30/2021
COVID19 Piezo1 Mediated Adjustments in Lung Fluid Balance: Administrative Supplement title: Mechanism and Treatment of Covid-19 Mediated Lung Vascular Injury

NIH Ad Supplement: Dolly Mehta Prabhakar (Co-I) 09/01/2020-08/30/2021
COVID19 Focal Adhesion Kinase Regulation of Lung Vascular permeability and edemagenesis

NIH Ad Supplement: Jae-Won Shin (Prabhakar (Co-I)) 09/01/2020-08/30/2021
COVID19 Encapsulation of mesenchymal stromal cells in engineered microgels for resolution of lung fibrosis

Completed Research Support since 2012

VA BX002285-01A1 Prabhakar (PI) 04/01/15-0-03/31/20
Overcoming therapeutic resistance in anaplastic thyroid cancer
Role: Principal Investigator

NIH 1KO8-CA1 Maker (PI) 09/17/14-08/31/19
Enhancing anti-tumor immune responses in colon cancer metastases
Role: Mentor

NIH 1F31 DK111183-01A1 Marinelarena (PI) 05/15/17-05/14/20
Expansion of regulatory T cells as a means of tolerance induction in treatment of type 1 diabetes
Role: Mentor

NIH 1R01AI107516-01A1 Prabhakar (PI) 08/01/14-07/31/19
G-BMDC-induced Treg mediated suppression of Type 1 Diabetes in NOD mice
Role: Principal Investigator

NCI, HHSN261201500026I Prabhakar (Co-PI) 09/24/15-09/23/18
HPV16LI RG Chimeric Virus Like Particle Vaccine Clinical Development
Role: Co- Principal Investigator

2-SRA-2016-245-S-B
Juvenile Diabetes Research Foundation Prabhakar (PI) 08/01/16-07/31/18
TCR-independent selective induction of regulatory T cells to treat type-1 diabetes
Role: Principal Investigator

NIH 1R41AI125039-01 Prabhakar (PI) 03/01/16-02/28/17
A chimeric protein for the selective expansion of regulatory T cells
Role: Principal Investigator

American Heart Association Prabhakaran (PI) 07/01/15-06/30/17
Mechanistic studies on G-BMDC induced Treg cell expansion and Foxp3 expression: Therapeutic implications in autoimmune diabetes
Role: Mentor

Chugai Pharmaceuticals Co., Ltd Prabhakar (PI) 09/15/15-03/31/17
To evaluate the therapeutic potential of MR16-1 in experimental autoimmune myasthenia gravis
Role: Principal Investigator

Chancellor's Proof of Concept Gran Prabhakar (PI) 07/01/14-06/30/16

Evaluation of soluble OX40L-Jag-1 to treat diabetes

Role: Principal Investigator

Muscular Dystrophy Association, Inc Thiruppathi (PI) 02/01/13-01/31/16

Defect in Immune Regulation in Myasthenia Gravis: Implications for Treatment

Role: Mentor

P30 AI082151 Landay (PI) 09/01/11-08/31/14

Rush (NIH/D-CFAR)

Role: Director Core-C

American Heart Association Haddad (PI) 01/01/13-12/31/13

The Role of OX40L and Jag-1 Co-signaling in the Expansion of Reg T-Cells in Type 1 Diabetes.

Role: Mentor

P30 AI082151 Landay (PI) 09/01/11-8/31/13

Rush (NIH/D-CFAR): Neutralization Enhancement by Mutation of HIV-1 Envelope

Role: Co-Investigator

1R41 HL110707-01 Garcia (PI) 09/01/11-08/31/13

AquaLung Therapeutics.

PBEF Neutralizing Humanized MAbs as Novel Therapeutic Approaches In VILI

Role: Co-Investigator

Muscular Dystrophy Association, Inc Sheng (PI) 01/01/10-12/31/12

Immune regulation of experimental autoimmune myasthenia gravis

Role: Mentor

NIH-1KO8NS058800 Meriggoli (PI) 12/01/07-11/30/12

Immune regulation of Experimental Autoimmune Myasthenia Gravis

Role: Mentor

NIH/NIAID- 1U01 AI082206-01 Prabhakar (PI) 10/01/09-09/30/12

Characterization of therapeutic human monoclonal antibodies against SARS

Role: Principal Investigator

Tolerogenics Prabhakar (PI) 08/01/08-08/31/12

Bi-specific antibody for targeted treatment of type-1 diabetes

Role: Principal Investigator

NIH-R41 AI1085677 Prabhakar (PI) 09/01/11-08/30/12

Use of bispecific antibody for treating non-obese diabetes (Tolerogenics)

Role: Principal Investigator

American Thyroid Association Pilli (PI) 08/01/10-07/31/12

Role of MADD, an *IG20* splice variant, and its potential use as therapeutic target in anaplastic thyroid cancer

Role: Mentor

NIH-R01 AI058190-02 Prabhakar (PI) 02/01/06-01/31/12

Therapeutic Treatment of EAT by Inducing Dendritic Cells.

To determine the therapeutic potential of GM-CSF and its mode of action in EAT.

Other Grant Support (Past)

1. Interferon Resistance in African Americans with HCV. PI-Thomas Layden. Co-PI-B.S. Prabhakar. Total direct cost \$1,003,644. 04/01/00 to 03/31/05. NIH

2. NCCR Shared Instrumentation Grant: Becton Dickinson Flow Cytometry System. Principal Investigator, B.S. Prabhakar. Total direct cost-\$452,749. 04/01/02 to 03/31/03. NIH
3. Molecular Mimicry Between *Y. enterocolitica* and TSHR. Principal Investigator, B.S. Prabhakar. Total Direct Cost-\$300,000. 10/01/99 to 09/30/02. NIH.
4. Thyrotropin receptor antibodies in thyroid dysfunction. Co-Investigator, B.S. Prabhakar. Total direct cost-\$82,400. 7/1/95 - 6/30/97. American Heart Association.
5. Detection of poliovirus revertants using PCR. Principal Investigator, B.S. Prabhakar. Total direct cost-\$60,000. 06/01/95 to 6/30/97. American Cyanamid.
6. Effects of age, schedule and/or vaccine on poliovirus shedding and reversion. Co-Principal Investigator, B.S. Prabhakar. Total direct cost-\$240,000. (3/1/93 - 2/28/95). Lederle Praxis Biologicals.
7. Expression of thyrotropin receptor using baculovirus. Principal Investigator, B.S. Prabhakar. Total direct cost-\$12, 500. (04/01/91- 3/31/92) UTMB Small Grant Program.
8. Peptide-MHC interaction in autoimmune diseases and in the development of therapeutic strategies for their treatment. Co-Principal Investigator, B.S. Prabhakar. Total cost-\$221,810.01/01/94 to 12/31/95. Texas Advanced Research Programs.
9. A system to express human thyroid peroxidase. Principal investigator, B.S. Prabhakar. Total amount-\$60,000. Open. General Biometrics.
10. Diagnostic assay for detecting antibodies to human TSHR. Principal investigator, B.S. Prabhakar. \$10,000. Open. General Biometrics.
11. *Yersinia enterocolitica* and Graves' disease. Co-Investigator, B.S. Prabhakar. Total direct cost-\$557,689. 04/01/95 to 03/31/99. NIH
12. The Immunobiology of the thyrotropin receptor. Principal Investigator, B.S. Prabhakar. Total direct cost-\$431,945. 6/1/96 to 5/31/00. NIH.
13. Mechanisms of Down-Regulation of Thyroid Function by Thyrotropin Receptor Antibodies. Co-Investigator, B.S. Prabhakar. Total direct cost-\$86,575. 01/01/99 to 12/31/2000. Thyroid Research Advisory Council.
14. Experimental autoimmune Graves' disease. Principal Investigator-B.S. Prabhakar. Total direct cost-\$502,580. 06/01/95 to 11/30/03. NIH
15. Induction of tolerance to islet cell transplants. Principal Investigator-B. S. Prabhakar. Total direct cost-\$400,000. 10/01/03-9/30/05. NIH
16. Tissue specific therapy to autoimmune thyroid disease. Mentor-B. S. Prabhakar. Total direct cost-\$875,000. 17/01/02-06/30/07. NIH
17. Evaluation of the Therapeutic Potential of Several Human Monoclonal Antibodies Against SARS-CoV. Mentor-B. S. Prabhakar. Total direct cost \$60,000. 07/01/06 – 06/30/08. AHA
18. Cytokine Response in Patients Exposed to Various Chemicals and Molds. Principal Investigator-B. S. Prabhakar. Total direct cost-\$200,000. 12/01/05-11/30/08
19. Presentation of antigenic peptides in Nanodisc particles. Principal Investigator-B. S. Prabhakar. Total direct cost-\$100,000. 01/01/07-12/31/08. Nanodisc
20. Novel human gene-IG20 – potential role in cancer therapy. Principal Investigator-B. S. Prabhakar. Total direct cost- 1,000,000. 06/01/05 – 02/28/10. NIH
21. Mechanisms of PMN-Mediated Lung Inflammation and Injury (PPG). Principal Investigator-Asrar Malik: Role: Co-Investigator, Core B. 08/01/05-07/31/10. NIH

Sponsored Grant Support for Fellows (past and present):

Dr. Rajesh Desai,	Postdoctoral fellow.	09/01/90-08/31/92
Dr. Gattadahalli Seetharamaiah,	Postdoctoral fellow.	09/01/91-08/31/94.
Dr. Ji-Lao Fan,	Postdoctoral fellow.	09/01/91-08/31/96
Dr. Sai Patibandla,	Postdoctoral fellow.	06/01/95-05/31/97
Dr. Indresh Kaur, Co-sponsor,	Postdoctoral fellow.	07/17/93-06/30/95
Dr. John Dallas,	CHRC fellow (NIH).	02/01/91-07/31/94

Dr. Stephen Ponder,	CHRC fellow (NIH)	02/01/91-07/31/93
Ms. Neelam Wagle,	Pre-doctoral fellow.	09/01/92-08/31/95.
Mr. Omeed Memar,	Pre-doctoral fellow.	09/01/94-08/31/97.
Dr. Mark Holterman,	NIH KO8 trainee	07/01/02–06/30/07
Ms. Melissa Coughlin,	Pre-doctoral fellow-AHA	07/01/06-06/30/08
Dr. Liangcheng Li.	PI. Elsa U. Pardee Foundation	07/01/09-06/30/11
Dr. Tania Pilli,	PI. American Thyroid Association	08/01/10-07/31/12
Dr. Jianrong Sheng.	PI, Muscular Dystrophy Association	01/01/10-12/31/12
Dr. Meriggioli	PI. NIH KO8 trainee	12/01/07-11/30/12
Ms. Christine Haddad	American Heart Association	01/01/13-
12/31/13		
Dr. Muthusamy Thiruppathi.	PI, Muscular Dystrophy Association	02/01/13-01/31/16
Dr. Prabhakaran Kumar	PI. American Heart Association	07/01/15-06/30/17
Dr. Ajay Maker	PI. NIH KO8 trainee	09/17/14-08/31/19
Ms. Alejandra Marinelarena	PI. NIH F31	05/15/17-05/14/20

Journal Editorial Board Member

Autoimmunity (Member, Editorial Board)
J. Clinical Endocrinology and Metabolism (2013-2019)
J. of Immunology (Associate Editor until 2001)
Endocrinology (Member, Editorial Board until 2001)

Reviewer for the following journals:

Science, J. Clinical. Investigation, American J. of Pathology, Journal of Autoimmunity, European Journal of Immunology, Immunological Methods, J. Biol. Chemistry, Diabetologia , J. Clin. Endo and Metab, Molecular Endocrinology, Oncogene, J. of Virology, J. of Infectious Diseases, J. Mol. Cellular Cardiology, Virology, Interferon Research, J. Clinical Endocrinology, Clinical Immunology and Immunopathology, Cancer Research, Clinical Immunology, International Immunology, PLOS One, PLOS Pathogens, Diabetes, J. Leukocyte Biology, Thyroid, etc.

Committees: National, Regional and Local

Member, National Caucus of Basic Biomedical Science Chairs (2003)
Member, Executive Committee of the Association of Medical School Microbiology and Immunology Chairs (2001-2004)
President, Chicago Immunology Association (2001-2003).
Scientific Reviewer, Midwestern Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Research (2003)
Section Leader, Region V pre- Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Research (2003)
Endocrinology Study Section (Ad hoc)
Reviewer for NIDR, NINCDS and NIAID, NIH (Ad-Hoc)
Reviewer for National Science Foundation, (Ad-Hoc)
Reviewer for Veteran's Administration, (Ad-Hoc)
Central Research Review Committee, American Heart Association, Texas Affiliate (Past)
Oklahoma Center for the Advancement of Science and Technology (2014)
Organizing Committee for NIH Conference on Modeling in Biomedical Research
Member Special Study Section to Review PPGS in Autoimmunity (Past)
AIDS Task Force, National Institute of Dental Research, NIH (Past)
Animal Care Committee, NIDR, NIH (Past)
Long-range Planning Committee, NIDR, NIH (Past)

Current and Past membership in UIC Committees:

Chair, Immunology Advisory Committee at UIC
Member, Life Sciences Council at UIC
UIC University of Illinois at Chicago Leadership Council
Member, University of Illinois at Chicago Senate
Member, University of Illinois College of Medicine Executive Committee
Associate Director, Translational Technology for CCTS at UIC
Member, UIC Senate
Member College of Medicine Executive Committee, UIC
Member, Task Force on Animal Research Facilities
Member, Search Committee for Chief of the Section of Pulmonology and Critical Care
Member, University of Illinois at Chicago Faculty Senate
Co-chair, UIC National Biocontainment Laboratory Planning Committee
Chair, LCME Self-Study Group, Basic Science Departments
Chair, Search Committee for Director, Medical Intellectual Property in the College of Medicine.
Chair, Search Committee for Head of the Department of Anatomy and Cell Biology
Chair, Committee to review the status of PhD's in clinical departments
Chair, Search Committee for Head of the Department of Biochemistry and Molecular Biology
Member, Faculty Search Committee, Ophthalmology and Visual Sciences Department
Member, Search Committee for Chief of the Section of Infectious Diseases
Member, University of Illinois, College of Medicine, IRB Priority Committee
Member, University of Illinois College of Medicine, Ad Hoc Committee to review merger of
Departments of Molecular Genetics and Biochemistry/Molecular Biology
Member, (alternate) the College of Medicine Executive Committee
Member, College of Medicine New Building Sub-committee
Member, College of Medicine New Building Rules Sub-committee
Member, Search Committee for Director of the Research Resources Center
Member, the College of Medicine Executive Committee
Member, Search committee for Chief of the Section of Rheumatology
Member, Moss Tribute Committee
Member, Search committee for Head of the department of Ophthalmology
Chair, Search committee for the Chief Division of Infectious Diseases
Member, Search committee for Director, Office of Technology Management
Member, Search Committee for Director of Surgical Oncology at UIC

Committees: UTMB

XIII Texas Immunology Conference (Program Director)
Departmental Research Committee (Chairman)
UTMB Academic Promotions and Tenure Committee
Microbiology and Immunology Seminar Series (Director)
UTMB Committee on Research
Departmental Executive Committee
Departmental Space Committee
CHRC Advisory Committee
Departmental Academic Promotions and Tenure Committee
Ad-Hoc Academic Review Committee
Bacteriology Search Committee (Chairman)
Immunology Search Committee
Committee on Faculty Office Space
Committee on Science Writer

Mentor Current:**Physician scientists/Junior faculty**

None

Fellows

Prabhakaran Kumar (PhD) (Post-Doc Fellow)

Graduate Students

None

Mentor Past**Physician scientists/Junior Faculty Trainees- Past**

Stephen Ponder, MD.	(CHRC fellow)
John Dallas, MD.	(CHRC fellow)
Neal Nygard, MD.	(KO8 grantee)
Seetharamaiah G.S. PhD.	(Res Asst Prof)
Ji-Lao Fan. MD. PhD.	(Res Asst Prof)
Kaithamana S. PhD.	(Res Asst Prof)
Efimova, E. Ph.D.	(Res Asst Prof)
Xianghong Zou. PhD.	(Res Asst Prof)
Dengpin Yin. MD	(Res Asst Prof)
Igor Gavin. PhD	(Res Asst Prof)
Mark Holterman. MD. PhD.	(Asst Prof)
Samuel Dorevitch. MD.	(Asst. Prof)
Jayaraman S. PhD.	(Res Asst Prof)
Tania Pilli MD.	(Post-Doc fellow)
Matthew Meriggioli. MD.	(Associate Prof)
Liangcheng Li. PhD.	(Res Asst Prof)
Jianrong Sheng. MD	(Res Asst Prof)
Thiruppathi Muthusamy. PhD	(Res Asst Prof)
Peifeng Li. MD.	(Res Asst Prof)
Palash Bhattacharya. PhD	(Res Asst Prof)
Ajay Maker. MD.	(Associate Prof)
Jiang Qin Li. MD.	(Res Asst Prof)

Post-doctoral Fellows

Graham P. Allaway, PhD. (NIH)
Osamu Takai, MD. (NIH)
Yasuhiro Goto, MD. (NIH)
Yasuko Uchigata, MD. (NIH)
Jo-Satoh, M.D. (NIH)
Rajesh K. Desai, MD. (UTMB)
Indreshpal Kaur, PhD. (UTMB)
Patibandla, A. PhD. (UTMB)
Seetharamaiah, G.S. PhD. (UTMB/UIC)
Ji-Lao Fan, M.D., PhD. (UTMB/UIC)
Mohammed El-Azami El-Idrissi, PhD. (UIC)
Kaithamana, S. PhD. (UTMB/UIC)
Singh, S. P. PhD. (UIC)

Efimova, E. PhD. (UIC)
Takayasu Arima, MD. (UIC)
Raju Bapi Kurada, PhD (UIC)
Mahesh Subramanian. PhD (UIC)
Shankar Jayaraman. PhD (UIC)
Balaji Ganesh. PhD (UIC)
Jayarama Shankar. PhD (UIC)
Hatem El Shabrawy. PhD (UIC)
Thiruppathi Muthusamy. PhD (UIC)
Aditi Mathur. PhD (UIC)
Lakshmi Sripada. PhD. (UIC)
Shikha Saini (PhD) (UIC)

Visiting Scientists

Weiqiong Zheng (UTMB)
Tania Pilli (UIC)

Graduate Students Primary Mentor

Neelam Wagle, PhD. (1995)
Omeed Memar, PhD. (1995)
Samuel Cunningham, Ph.D. (1996)
Juan Huang, (MSc) (1997)
Adeeb Al Zoubi, PhD. (2002)
Rukiye Ersalan, PhD. (2002)
E. Gangi. PhD. (2004)
M. Ramaswamy. PhD. (2004)
O. Martinez. PhD. (2005)
N. Mulherkar. PhD. (2006)
Donald Cheatem. PhD. (2007)
Melissa Coughlin. PhD. (2008)
Andrea Turner. PhD. (2009)
Anupama Gopisetty. PhD (2011)
Hatem El Shabrawy. PhD. (2012)
Ryan Carr. PhD (2013)
Christine Haddad. PhD (2014)
K. Alharshawi PhD (2017)
Divya Raghunathan. MSc (2018)
Vandhana Katta Ragothaman. MSc (2018)
Marinelarena Alejandra (MD/PhD-2018)
Lele Swarali (MS-2019)

Thesis Committee Member

Rana-Saad Domiati (M.Sc-1993)
Vergil Brown (M.D./PhD-1994)
Neelam Wagle (PhD-1995)
Omeed Memar (MD./PhD-1995)
Jiejien Lin (PhD-1995)
Samuel Cunningham (PhD-1996)
Rex Dyer (PhD-1997)
Enrico Duru (PhD-1997)
Mansoor Sajid (PhD-1997)

Patrick Cadet (PhD-1997)
Ross La Motte (PhD-2000)
Dubravka Markovic (PhD-2001)
Adeeb Al Zoubi (PhD-2002)
Rukiye Eraslan (PhD-2002)
Ivana Simanovic (MS-2003)
Melissa Brown (PhD-2003)
Madhu Ramaswamy (PhD-2004)
Eryn Gangi (PhD-2004)
Osvaldo Martinez (PhD-2005)
Michelle Muza (PhD-2005)
Balaji Manicassamy (PhD-2005)
Xianghong Jing (PhD-2005)
Perry Michael Scanlon (PhD-2006)
Christian Clemente (PhD-2006)
Nirupama Mulherkar (PhD-2006)
Radhika Gudi (PhD-2006)
Santhakumar Manicassamy (PhD-2006)
Huimin Xie (PhD-2006)
Radhakrishnan Senthil (PhD-2006)
John Barking (PhD-2007)
Sarah Hawkins (PhD-2007)
Donald Cheatem (PhD-2007)
Sonal Gupta (PhD-2007)
Zongdi Feng (PhD-2008)
Dustin Verpooten (PhD-2008)
Melissa Coughlin (PhD-2008)
Andrea Turner (PhD-2009)
Zahida Ali (PhD-2009)
Zhipeng Yan (PhD-2009)
Christopher O'Donnell (PhD-2009)
Shuyu Yao (PhD-2010)
Yijie Ma (PhD-2010)
Anupama Gopisetty. (PhD-2011)
Hatem El Shabrawy. (PhD-2012)
Aileen O'Hearn. (PhD-2012)
Ryan Carr. (MD/PhD-2013)
Christine Haddad. (PhD-2014)
K. Alharshawi. (PhD-2017)
Divya Raghunathan. MSc (2018)
Vandhana Katta Ragothaman. MSc (2018)
Marinelarena (MD/PhD-2018)
Alexander Agelidis (MD/PhD-2019)

Graduate Student Rotation Mentor

A. Al Zoubi (PhD)
R. Ersalan (PhD)
D. Lukovic (PhD)
S. Brakenridge (PhD)
O. Martinez (PhD)
H. Tslentis (PhD)

G. Yang (PhD)
M. Ramaswamy (PhD)
S. Radhakrishnan (PhD)
E. Gangi (PhD)
E. Choi (PhD)
A. De Urioste (PhD)
D. Wei (PhD)
S. Gupta (PhD)
N. Mulherkar (PhD)
D. Cheatem (PhD)
M. Coughlin (PhD)
A. Turner (PhD)
K. Marsch (PhD)
A. Gopisetty (PhD)
G. Pattabiraman (PhD)
R. Carr (MD. PhD)
C. Haddad (MD. PhD)
A. Agelidis (MD. PhD)
H. Coffing (PhD)
K. Alharshaw (PhD)
L. Marinelarena (MD. PhD)

Medical Student Mentor

J. Cundiff
A. Wang
A.S. Kapur
Ryan Carr
Christine Haddad
Alex Agelidis
Alejandra Marinelarena

Membership in Professional Organizations:

American Association of Immunologists
The Endocrine Society
American Society for Virology
American Association for the Advancement of Science
American Thyroid Association
Association of Medical School Microbiology and Immunology Chairs
Chicago Immunology Association
American Society for Microbiology
American Association for Cancer Research
American Society for Biochemistry and Molecular Biology
Society for Leukocyte Biology

Additional Information:

PhD Thesis: Prabhakar, B.S.: Role of the immune system in recovery from experimental murine rabies. Ph.D. Thesis. May, 1980.

Invited Lecture, National and International Conferences (Selected):

1. Workshop on the Immunopathology of Rabies. Las Vegas, Nevada; May, 1978.
2. University of Pennsylvania Medical School. Philadelphia, Pennsylvania; October, 1982.

3. International Conference on "New Perspectives in Virology". Rome, Italy: October, 1982.
4. University of Pisa. Pisa, Italy; October, 1982.
5. Barbara Davis Center for Childhood Diabetes. Denver, Colorado; February, 1985.
6. University of Colorado Medical Center. Denver, Colorado; February, 1985.
7. Research Institute of Scripps Clinic. La Jolla, California; April, 1985.
8. Fall lecture series on Mechanisms of Inflammatory Connective Tissue Disease. NIADDK, NIH, Bethesda, Maryland; September, 1985.
9. Second International Conference on the Use of Human Tissues for Research and Transplantation. Washington, D.C.; October, 1985.
10. First International Conference of the Juvenile Diabetes Foundation International. Monaco; November, 1985.
11. Johns Hopkins University, Department of Immunology and Infectious Diseases. Baltimore, Maryland; November, 1986.
12. International Symposium on New Concepts in Viral Heart Disease. Munich, West Germany; May, 1988.
13. DeWitt Stetten Lecture. National Institutes of Health. Bethesda, Maryland; February, 1989.
14. University of Texas, Medical Sciences Center. San Antonio, Texas; March, 1989.
15. Louisiana State University, School of Medicine. New Orleans, Louisiana; March, 1989.
16. NIH Research Day 1989. National Institutes of Health. Bethesda, Maryland; September, 1989.
17. Johns Hopkins University, Department of Immunology and Infectious Diseases. Baltimore, Maryland; April, 1990.
18. Second International Conference on Inflammatory Heart Disease. Marburg, West Germany; June, 1990.
19. Central Food Technology and Research Institute. Mysore, India; July, 1990.
20. UCLA Symposium on Molecular Mimicry of Self and Foreign Antigens. Keystone. Colorado. January, 1991.
21. Immunologic Pharmaceutical Corporation, Palo Alto, California, February, 1991.
22. Myocarditis-Dilated Cardiomyopathy Pathogenesis and Clinical Implications. Dusseldorf, West Germany; May 1992.
23. LaJolla Pharmaceuticals. LaJolla, California. July 1992.
24. Mayo Clinic and Medical Foundation. Department of Immunology. Rochester, Minnesota. September 1992.
25. National Institutes of Health. Bethesda, M.D. April, 1993.
26. University of British Columbia, St. Paul's Hospital, Department of Pathology. Vancouver, British Columbia. Canada. July 1993.
27. University of Lubeck, Lubeck, Germany. May, 1994.
28. International Workshop on thyroid autoimmunity. Leipzig, Germany, May, 1994.
29. In vivo models in thyroid research, Heidelberg, Germany, October, 1995.
30. Indiana University Medical School, Indianapolis, Indiana, January, 1996.
31. European Society for Clinical investigation, Interlaken, Switzerland, April, 1996.
32. University of Illinois Medical Center, Chicago, IL, October, 1996.
33. 69th Annual Meeting of the American Thyroid Association, San Diego, CA, November, 1996.
34. 79th Annual Meeting/ENDOSM 97 of The Endocrine Society, Minneapolis, MN, June, 1997.
35. 70th Annual Meeting of the American Thyroid Association, Colorado Springs, CO, October, 1997.
36. Rush Medical College, Department of Immunology and Microbiology, Chicago, Illinois December, 1997.

37. University of Illinois at Chicago, College of Medicine in Rockford, Rockford, Illinois, 1998
38. Chicago Association of Immunologists, Chicago, Illinois, December, 1998.
39. Finch University of Health Sciences, The Chicago Medical School, Department of Microbiology and Immunology, North Chicago, Illinois, May, 1998.
40. 72nd Annual Meeting of the American Thyroid Association, Palm Beach, Florida, October, 1999. Chairman: Symposium TSHR in thyroid disease.
41. Western Michigan University, Kalamazoo, Michigan, October, 1999.
42. University of Alabama, Birmingham, Alabama. Department of Microbiology. 1999.
43. Northwestern University, Chicago, Illinois, Division of Endocrinology, April, 2000.
44. University of Tokyo, Japan, October, 2000.
45. 12th International Thyroid Congress, Kyoto, Japan, October, 2000.
46. Case Western Medical School, Cleveland, OH Immunology Seminar Series March 2001.
47. Knoll Pharmaceutical and the University of Toronto Thyroid Study group. Toronto, Canada, March 2001.
48. Mount Sinai Hospital. Department of Medicine. Toronto, Canada March 2001.
49. Innovative approaches to the treatment of Graves'orbitopathy at Columbia University. Program. New York. September, 2001. Animal models of Graves' Orbitopathy
50. 73rd Annual Meeting of the American Thyroid Association, Washington, D.C., November, 2001. Models of Graves' disease
51. University of Chicago, Chicago, Illinois, Department of Medicine, November, 2001.
52. University of Texas Medical Branch, Galveston, Texas, Department of Microbiology & Immunology, November 2001.
53. 75th Annual meeting of the American Thyroid Association, Palm Beach, Florida.
54. September, 2003. Faculty. Autoantibody reactivity with the thyrotropin receptor.
55. Genzyme Corporation, Framingham, MA. 2005. Thyroid autoimmunity-a tale of two proteins.
56. University of Texas Health Sciences Center, Houston, TX. Department of Pathology, November, 2005.
57. Merck European Thyroid Symposium: The thyroid and autoimmunity. Noordwijk, Netherlands. June,
58. 2006
59. University of Southern California, Keck School of Medicine, Los Angeles, CA. Department of Molecular Microbiology and Immunology, October, 2005.
60. The second International Jordanian Congress of Allergy and Immunology, Amman, Jordan
61. May-June 2007
62. Jordan University of Science and Technology, Irbid, Jordan. May 2007
63. University of Texas Health Sciences Center, Houston, TX. Department of Pathology, November, 2007.
64. Jawaharlal Nehru Medical College, KLE University, Belgaum, India. Office of the Vice-Chancellor. April, 2009
65. Third Annual Conference of Immunodiagnosics and Immunomonitoring, Chicago, IL. GTC Bio. April, 2009.
66. 80th Annual meeting of the American Thyroid association, Palm Beach. Florida. September, 2009. Faculty. Animal models of thyroid autoimmunity.
67. The 3rd Annual Stem Cell Conference in Egypt. Cairo, Egypt. November 2009.
68. III Congresso Associazione Italiana della Tiroide. Lettura Magistrale. Siena. Italy. December 2009.
69. University of Alabama, Birmingham, Alabama. Department of Microbiology and Immunology. August, 2010
70. 14th International thyroid Congress, Paris. France. September 2010.

71. University of Connecticut, Farmington, Connecticut, Department of Immunology. February, 2011
72. University of Louisville, Louisville, Kentucky, Department of Microbiology and Immunology. March, 2011
73. University of Maryland, Baltimore, Maryland, Department of Microbiology and Immunology. April, 2011
74. Johns Hopkins University, Baltimore, Maryland, Department of Medicine, Division of Endocrinology. April 2011
75. University of Wisconsin, Madison Wisconsin. Department of Surgery. May, 2012
76. Novo Nordisk, Seattle, Washington. September, 2012
77. M.S. Ramaiah Medical College, Bengaluru. India. Department of Microbiology. 2013
78. Mid-American Regenerative and Cellular Medicine Showcase; Chicago. October, 2014
79. M.S. Ramaiah Medical College, Bengaluru. India. Commencement Speaker. July 2015
80. UI-College of Medicine, Rockford, IL. Commencement Speaker. November 2017.
81. Tecnológico de Monterrey Medical School in Monterrey, Mexico. November 2017
82. Department of Pathology. Johns Hopkins University College of Medicine. March 2019
83. Dept of Micro, Immunol & Mol Genetics. University of Texas. San Antonio. May 2019
84. Ramaiah Medical College, Bengaluru, India. June 2019

Workshops:

1. "Hybridomas and monoclonal antibodies: An update" at The American Type Culture Collection. Rockville, MD; January, 1988.
2. International workshop on cardiomyopathies, La Coruna, Spain. May, 1993.

Publications:

a) Patents Issued

1. Title: Uses of bispecific antibody coated dendritic cells pulsed with antigens and GM-CSF in immune regulation

Patent ID: US 7527972

Issue Date: May 05, 2009

Inventors: Bellur S. Prabhakar, Mark J. Holterman, Chethamarakshan Vasu and Matthew N. Merigglioli

2. Title: Antibodies to SARS coronavirus

Patent ID: US 7728110

Issue Date: June 01, 2010

Inventors: John S. Babcook, Bellur S. Prabhakar and Melissa Coughlin

3. Title: IG20 splice variants therapeutics for cancer

Patent ID: US 7910723

Issue Date: March 22, 2011

Inventors: Bellur S. Prabhakar and Nirupama Mulherkar

4. Title: Methods and compositions of IG20 and DENN-SV splice variants

Patent ID: US 8722637

Issue Date: May 13, 2014

Inventors: Bellur S. Prabhakar

5. Title: Anti-CLTA4, anti-GLUT2 protein for the treatment of type 1 diabetes
Patent ID: US 8822649
Issued Date: September 2, 2014
Inventors: Bellur S. Prabhakar, Chenthamarakshan Vasu, Palash Bhattacharya

b) Patents Pending:

1. Title: Methods for inhibiting viruses by targeting cathepsin-L cleavage sites in the viruses' glycoprotein

Patent Application No: 61/620,054/13—409-WO

Date Application Filed: April 4, 2012

Inventors: Bellur S. Prabhakar and Hatem A Elshabrawy

2. Title: T-Reg cell expansion

Patent Application No: 14186766

Date Application Filed: February 21, 2014

Inventors: Bellur S. Prabhakar,

B) Articles in Peer Reviewed Journals

1. **Prabhakar, B.S.**, Nathanson, N. Acute rabies death mediated by antibody. *Nature*. 1981. 290:590. (The paper was accompanied by an editorial). PMID: 6971412.
2. **Prabhakar, B.S.**, Fischman, H.R., Nathanson, N. Recovery from experimental rabies by adoptive transfer of immune cells. 1981. *J. Gen. Virol.* 56:25. PMID: 6975354
3. **Prabhakar, B.S.**, Haspel, M.V., McClintock, P.R., Notkins, A.L. High frequency of antigenic variants among naturally occurring human coxsackie B4 virus isolates identified by monoclonal antibodies. *Nature*. 1982. 300:374-376. PMID: 6183593
4. **Prabhakar, B.S.**, Parks, N.F., Clark, H.F. Altered expression of rabies virus antigenic determinants associated with chronic infection and virulence. *J. Gen. Virol.* 1983. 64:251-254. PMID: 6185633
5. Haspel, M.V., Onodera, T., **Prabhakar, B.S.**, Horita, M., Suzuki, H., Notkins, A.L. Virus-induced autoimmunity: Monoclonal antibodies that react with endocrine tissues. *Science*. 1983. 220:304-306.. (Cover picture from the paper). PMID: 6301002
6. Haspel, M.V., Onodera, T., **Prabhakar, B.S.**, McClintock, P.R., Essani, K., Ray, U.R., Yagihashi, S., Notkins, A.L. Multiple organ-reactive monoclonal autoantibodies. *Nature*. 1983. 303:73-76.. (The paper was accompanied by an editorial). PMID: 6346104
7. Satoh, J., **Prabhakar, B.S.**, Haspel, M.V., Ginsberg-Fellner, F., Notkins, A.L. Human monoclonal autoantibodies that react with multiple endocrine organs. *N. Engl. J. Med.* 1983. 309:217-220. PMID: 6866036
8. **Prabhakar, B.S.**, McClintock, P.R., Haspel, M.V., Wohlenberg, C., Menegus, M., Notkins, A.L.: Monoclonal antibodies as probes to study antigenic variations in coxsackie B. *Viruses*. 1983. LXXX: 1071-1079.
9. Notkins, A.L., Onodera, T., Satoh, J., **Prabhakar, B.S.** Viruses, autoimmunity and diabetes mellitus. *The Journal of the Japan Diabetic Society*. 1983. 26:1177-1183.

10. Garzelli, C., Taub, F., Scharff, J.E., **Prabhakar, B.S.**, Ginsberg-Fellner, F., Notkins, A.L. Epstein-Barr virus-transformed lymphocytes produce monoclonal autoantibodies that react with antigens in multiple organs. *J. Virol.* 1984. 52:722-725. PMID: 6092698
11. **Prabhakar, B.S.**, Saegusa, J., Onodera, T., Notkins, A.L. Lymphocytes capable of making monoclonal autoantibodies that react with multiple organs are a common feature of the normal B cell repertoire, *J. Immunol.* 1984. 133:2815-2817. PMID: 6333448
12. Saegusa, J., Onodera, T., Ray, U.R., **Prabhakar, B.S.**, Notkins, A.L. Monoclonal autoantibodies that react with hormones also react with cells not containing those hormones. *Endocrinology.* 1985. 116:761-764. PMID: 3881247
13. **Prabhakar, B.S.**, Menegus, M. A., Notkins, A.L. Detection of conserved and non-conserved epitopes on Cocksackievirus B4: Frequency of antigenic change. *Virology.* 1985. 146:302-306. PMID: 2413617
14. Essani, K., Satoh, J., **Prabhakar, B.S.**, McClintock, P.R., Notkins, A.L. Anti-idiotypic antibodies against a human multiple organ reactive autoantibody: Detection of idiotopes in normal individuals and patients with autoimmune diseases. *J. Clin. Invest.* 1985. 76:1649-2656. PMID: 2414322
15. Srinivasappa, J., Saegusa, J., **Prabhakar, B.S.**, Gentry, M.K., Buchmeier, M.J., Wiktor, T.J., Koprowski, H., Oldstone, M.B.A., Notkins, A.L.: Molecular mimicry: Frequency of reactivity of monoclonal antiviral antibodies with normal tissues. *J. Virol.* 1986. 57:397-401. PMID: 3753614
16. Saegusa, J., **Prabhakar, B.S.**, Essani, K., McClintock, P.R., Fukuda, Y., Ferrans, V.J., Notkins, A.L. Monoclonal antibody to Cocksackievirus B4 reacts with myocardium. *J. Inf. Dis.* 1986. 153:372-373. PMID: 3003209
17. McClintock, P.R., **Prabhakar, B.S.**, Notkins, A.L. Anti-idiotypic antibodies to monoclonal antibodies that neutralize Cocksackievirus B4 do not recognize viral receptors. *Virology.* 150:352-360, 1986. PMID: 3962185
18. Essani, K., Srinivansappa, J., McClintock, P.R., **Prabhakar, B.S.**, Notkins, A.L. Multiple organ-reactive IgG antibody induced by an anti-idiotypic antibody to a human monoclonal IgM autoantibody. *J. Exp. Med.* 1986. 163:1355-1360. PMID: 3486250
19. Webb, S.R., Kearse, K.P., Foulke, C.L., Hartig, P.C., **Prabhakar, B.S.** Neutralization epitope diversity of Cocksackievirus B4 isolates detected by monoclonal antibodies. *J. Med. Virol.* 1986. 20:9-15. PMID: 2428930
20. **Prabhakar, B.S.**, Srinivasappa, J., Ray, U.R. Selection of Cocksackievirus B4 variants with monoclonal antibodies results in attenuation. *J. Gen. Virol.* 1987. 68:865-870. PMID: 3029310
21. Uchigata, Y., **Prabhakar, B.S.**, Salata, K., Ginsberg, Fellner, F., Notkins, A.L. Human monoclonal multiple-organ reactive autoantibodies distinguished by mouse monoclonal anti-idiotypic antibodies: Expression of idiotopes in humans with and without autoimmune diseases. *J. Immunol.* 1987. 138:4218-4221. PMID: 3495582
22. Allaway, G.P., Srinivasappa, J., Miller, F.W., **Prabhakar, B.S.**, Notkins, A.L. Spontaneously proliferating human B lymphocytes make autoantibodies. *J. Inf. Dis.* 1988. 157:968-972. PMID: 2834468
23. Oates, E.L., Allaway, G.P., Armstrong, G.R., Boyajian, R., Kehrl, J.H., **Prabhakar, B.S.** Human lymphocytes produce pro-opiomelanocortin gene-related transcripts: Effects of lymphotropic viruses. *J. Biol. Chem.* 1988. 263:10041-10044. PMID: 2839471
24. Uchigata, Y., **Prabhakar, B.S.**, Notkins, A.L. Probing the human B-cell repertoire: Isolation of Epstein-Barr Virus (EBV) - Transformed human B lymphocytes making antibodies with a common idiotope that have different antigen-binding specificities. *J. Clin. Immunol.* 1988. 8:459-463. PMID: 2851610
25. Hartman, A.B., Mallett, C.P., Srinivasappa, J., **Prabhakar, B.S.**, Notkins, A.L., Smith-Gill, S.J.: Organ reactive autoantibodies from non-immunized adult BALB/c mice are polyreactive and express non-biased VH gene usage. *Mol. Immunol.* 1989. 26:359-370. PMID: 2497339

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30. Coutelier, J.P., Kehrl, J., Bellur, S., Kohn, L.D., Notkins, A.L., **Prabhakar, B.S.** Binding and functional effects of thyroid stimulating hormone on human immune cells. *J. Clin. Immunol.* 1990. 10:204-210. PMID: 2170438
31. **Prabhakar, B.S.**, Allaway, G.P., Srinivasappa, J., Notkins, A.L. Cell surface expression of a DNA-binding nuclear autoantigen. *J. Clin. Invest.* 1990. 86:1301-1305. PMID: 2212014
32. Goto, Y., Yeh, C-K., Notkins, A.L., **Prabhakar, B.S.** Detection of proviral sequences in saliva of patients infected with human immunodeficiency virus type 1. *AIDS Research and Human Retroviruses.* 1991. 7:343-347. PMID: 2064831
33. Beisel, K.W., Srinivasappa, J., **Prabhakar, B.S.** Molecular cloning of a heart antigen that cross-reacts with a neutralizing antibody to coxsackie-virus B4. *Eur. Heart J.* 1991. 120(D):60-64. PMID: 1717274
34. Takai, O., Desai, R.K., Seetharamaiah, G.S., Jones, G.A., Allaway, G.P., Akamizu, T., Kohn, L.D., **Prabhakar, B.S.** Prokaryotic expression of the thyrotropin receptor and identification of an immunogenic region of the protein using synthetic peptides. *Biochem. Biophys. Res. Comm.* 1991. 179:319-326. PMID: 1883361
35. Beisel, K.W., Srinivasappa, J., **Prabhakar, B.S.** Identification of a putative shared epitope between coxsackievirus B4 and cardiac myosin heavy chain. *Clin. Exp. Immunol.* 1991. 86:49-55. PMID: 1717188
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38. Abraham, R., Chonmaitree, T., McCombs, J., **Prabhakar, B.S.**, Loverole, P.T., Ogra, P.L. Rapid detection of polio virus by reverse transcription and polymerase chain amplification: Application for differentiation between poliovirus and nonpoliovirus enteroviruses. *J. Clin. Microbiol.* 1993. 31:395-399. PMID: 7679404
39. Seetharamaiah, G.S., Desai, R.K., Dallas, J.S., Tahara, K., Kohn, L.D., **Prabhakar, B.S.** Induction of TSH binding inhibitory immunoglobulins with the extracellular domain of human thyrotropin receptor produced using baculovirus expression system. *Autoimmunity.* 14:315-320. 1993. PMID: 8102255
40. Luo, G.Y., Fan, J.L., Seetharamaiah, G.S., Desai, R.K., Dallas, J.S., Wagle, N.M., Doan, R., Niesel, D.W., Klimpel, G.R., **Prabhakar, B.S.** Immunization of mice with *Yersinia Enterocolitica* leads to the induction of anti-thyrotropin receptor antibodies. *J. Immunol.* 1993. 151:922-928. PMID: 8335920

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42. Moore, B.E., Flaitz, C.M., Coppenhaver, D.H., Nichols, C.M., Kalmaz, G.D., Bessman, J.D., Cloyd, M.W., Lynch, D.P., **Prabhakar, B.S.**, Baron, S. HIV recovery from saliva before and after dental treatment: Inhibitors may play a critical role in viral inactivation. *JADA.* 1993. 124:67-73. PMID: 8409011
43. Fan, J.L., Seetharamaiah, G.S., Desai, R.K., Dallas, J.S., Wagle, N.M., **Prabhakar, B.S.** Analysis of autoantibody reactivity in patients with Graves' disease using recombinant extracellular domain of the human thyrotropin receptor and synthetic peptides. *Autoimmunity.* 1993. 15:285-291. PMID: 8136456
44. Fan, J.L., Desai, R.K., Seetharamaiah, G.S., Dallas, J.S., Wagle, N.W., **Prabhakar, B.S.** Heterogeneity in cellular and antibody responses against thyrotropin receptor in patients with Graves' disease detected using synthetic peptides. *J. Autoimmunity.* 1993. 6:799-808. PMID: 7512341
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47. Dallas, J.S., Cunningham, S.J., Morris, J.C., III, Seetharamaiah, G.S., Wagle, N., Goldblum, R.M., Desai, R.K., **Prabhakar, B.S.** Thyrotropin (TSH) interacts with multiple discrete epitopes on the TSH receptor: antibodies to one or more of these epitopes can inhibit TSH binding and function. *Endocrinology.* 1994. 134:1437-1445. PMID: 8119184
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49. Fan, J.L., Desai, R.K., Dallas, J.S., Wagle, N.M., Seetharamaiah, G.S., **Prabhakar, B.S.** High frequency of B cells capable of producing anti-thyrotropin receptor antibodies in patients with Graves' disease. *Clin. Immunol and Immunopath.* 1994.71:69-74. PMID: 8137560
50. Takai, O., Dickie, P., Notkins, A.L., **Prabhakar, B.S.** Expression of the human IAPP cDNA in transfected RIN cells and transgenic mice. *Transgene.* 1994. 1:255-265.
51. Fons, M.P., Flaitz, C.M., Moore, B.E., **Prabhakar, B.S.** Albrecht, T. Multiple herpesviruses in the saliva of HIV-infected individuals. *JADA.* 1994. 125:713-719. PMID: 8014336
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53. Wagle, N.M., Dallas, J.S., Seetharamaiah, G.S., Fan, J.L., Desai, R.K., Memar, O., Rajaraman, S. **Prabhakar, B.S.** Induction of hyperthyroxinemia in Balb/c but not in other strains of mice. *Autoimmunity.* 1994. 18:103-112. PMID: 7742472
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55. Seetharamaiah, G.S., Wagle, N.M., Morris, J.C., **Prabhakar, B.S.** Generation and characterization of monoclonal antibodies to the human thyrotropin (TSH) receptor: antibodies can bind to discrete conformational or linear epitopes and block TSH binding. *Endocrinology.* 1995. 136:2817-2824. PMID: 7540542

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