

Ion Alexandru Bobulescu, M.D.

Curriculum Vitae

Texas Tech University Health Sciences Center
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Ion.A.Bobulescu@TTUHSC.edu

EDUCATION

2000 M.D., Carol Davila University of Medicine and Pharmacy, Bucharest, Romania
1994 Sf. Sava National College, Bucharest, Romania (Biology/Chemistry)

POSTDOCTORAL CERTIFICATIONS

2008 Postdoctoral Certificate in Advanced Biomedical Research, University of Texas Southwestern Medical Center Graduate School of Biomedical Sciences, Dallas, TX
2006 Postdoctoral Certificate in Biomedical Research, University of Texas Southwestern Graduate School of Biomedical Sciences, Dallas, TX

POSTDOCTORAL TRAINING

2005-2008 Senior Research Fellow, Department of Internal Medicine and the Pak Center for Mineral Metabolism and Clinical Research, University of Texas Southwestern Medical Center, Dallas, TX
2002-2005 Postdoctoral Research Fellow, Department of Internal Medicine, Division of Nephrology, University of Texas Southwestern Medical Center, Dallas, TX
2001-2002 Intern, Dr. Carol Davila Central Emergency Military Hospital, Bucharest, Romania

ACADEMIC APPOINTMENTS

2020-present Associate Professor, Department of Cell Biology and Biochemistry and Department of Internal Medicine, School of Medicine, Texas Tech University Health Sciences Center, Lubbock, TX
2018-present Associate Professor, Department of Cell Biology and Biochemistry, School of Medicine, Texas Tech University Health Sciences Center, Lubbock, TX
2012-2018 Assistant Professor, Department of Internal Medicine, Division of Nephrology and the Pak Center for Mineral Metabolism and Clinical Research, University of Texas Southwestern Medical Center, Dallas, TX
2009-2012 Instructor, Department of Internal Medicine, Division of Nephrology, University of Texas Southwestern Medical Center, Dallas, TX
2008-2009 Assistant Instructor, Department of Internal Medicine, Division of Nephrology, University of Texas Southwestern Medical Center, Dallas, TX

RESEARCH SUPPORT – ACTIVE

National Institutes of Health NIDDK R01-DK113377 (total \$1,417,500)

Title: Role of gut bacteria and renal lipids in obesity-related kidney disease
Project period: 08/2017-05/2023
Overall goals: Test the hypothesis that alterations in gut microbiota, in conjunction with changes in host renal lipid metabolism, contribute to chronic kidney disease progression in people with obesity and/or type 2 diabetes.
Role: Principal Investigator

RESEARCH SUPPORT – COMPLETED

National Institutes of Health NIDDK 2R01-DK081423

Title: Pathogenesis of idiopathic uric acid nephrolithiasis: Multifaceted role of renal lipids
Project period: 09/2014-06/2018
Total cost: \$1,788,750
Role: Co-Investigator (PI's: O. Moe & K. Sakhaee)

Department of Internal Medicine Chair's Pilot Award, University of Texas Southwestern Medical Center

Title: Gut microbiota and nephrolithiasis risk in type 2 diabetes
Project period: 07/2015-06/2017
Direct cost: \$50,000
Role: Principal Investigator

National Institutes of Health NIDDK K01-DK090282

Title: Protein phosphatase regulation of the principal renal sodium transporter NHE3
Project period: 09/2011-04/2017
Total cost: \$434,235
Role: Principal Investigator

National Institutes of Health NIDDK R01-DK081423

Title: Pathogenesis of idiopathic uric acid nephrolithiasis: Role of renal lipotoxicity
Project period: 05/2009-04/2014
Total cost: \$1,742,158
Role: Co-Investigator (PI: K. Sakhaee)

Investigator Initiated Sponsored Research, Takeda Pharmaceuticals North America, Inc.

Title: Hyperuricemia: Center stage of the metabolic syndrome
Project period: 05/2011-09/2013
Total cost: \$104,892
Role: Principal Investigator

American Society of Nephrology Carl W. Gottschalk Research Scholar Award

Title: Regulation of the renal sodium/proton exchanger NHE3 by dopamine: Role of Protein Phosphatase 2A
Project period: 09/2008-08/2011
Total cost: \$181,818
Role: Principal Investigator

Haberecht Wild-Hare Idea Research Award, Rolf and Ute Haberecht Foundation

Title: Hyperuricemia in metabolic syndrome: Role of renal lipotoxicity and oxidative stress
Project period: 09/2009-08/2011
Direct cost: \$10,000
Role: Principal Investigator

O'Brien Kidney Research Core Center Pilot and Feasibility Award, University of Texas Southwestern Medical Center

Title: Molecular mechanisms of renal phosphate transport in human health and disease
Project period: 06/2010-08/2011
Direct cost: \$42,145
Role: Principal Investigator

National Kidney Foundation Postdoctoral Fellowship

Title: Effect of lipotoxicity and renal insulin resistance on sodium/proton exchange
Project period: 07/2003-06/2005
Direct cost: \$80,000
Role: Principal Investigator (Postdoctoral Fellowship Grant; Advisor Orson W. Moe, MD)

HONORS AND AWARDS

05/2022	Dean's Basic Science Teaching Award, School of Medicine, Texas Tech University Health Sciences Center
07/2021	Department of Medical Education / School of Medicine Block Teaching Award, Texas Tech University Health Sciences Center
06/2021	Inducted into the School of Medicine Teaching Academy, Texas Tech University Health Sciences Center
03/2015	Department of Internal Medicine Chair's Pilot Award, University of Texas Southwestern Medical Center
08/2009	Haberecht Wild-Hare Idea Award, Rolf and Ute Haberecht Foundation <i>via</i> the University of Texas Southwestern Medical Center
09/2008	Carl W. Gottschalk Research Scholar Award, American Society of Nephrology
07/2005	Charles Y. C. Pak Fellowship in Mineral Metabolism, University of Texas Southwestern Medical Center
07/2003	Postdoctoral Fellowship Award, National Kidney Foundation
11/2001	Twelfth European Students Conference for Medical Students and Young Doctors Poster Award, Humboldt University, Berlin, Germany
04/2000	First Prize for Scientific Photography, 4 th Annual "Fotografica" Romanian National Photography Competition, organized by the Bucharest Municipality Museum in partnership with the National Geographic Society

- Bobulescu IA**, Pop LM, Mani C, Turner K, Rivera C, Khatoon S, Kairamkonda S, Hannan R, Palle K. Renal Lipid Metabolism Abnormalities in Obesity and Clear Cell Renal Cell Carcinoma. *Metabolites* 2021, 11(9), 608. [PMID: 34564424]
- Rosenthal TR, Park SK, Kairamkonda S, Khatoon S, Pop LM, **Bobulescu IA**. Renal Lipid Accumulation, Oxidative Stress and Uric Acid Handling in a Rodent Model of Obesity and Metabolic Syndrome. *J Investig Med*. 2020 Dec 15;jim-2020-001608. [PMID: 33323390]
- Bobulescu IA**. The Old West analogy for acid-base buffering. *Adv Physiol Educ*. 2020 Jun 1;44(2):210-211. [PMID: 32243219]
- Bobulescu IA**, Park SK, Xu LHR, Blanco F, Poindexter J, Adams-Huet B, Davidson TL, Sakhaee K, Maalouf NM, Moe OW. Net Acid Excretion and Urinary Organic Anions in Idiopathic Uric Acid Nephrolithiasis. *Clin J Am Soc Nephrol*. 2019 Mar 7;14(3):411-420. [PMID: PMC6419274]
- Park SK, Rosenthal TR, Williams JS, Shelton JM, Takahashi M, Zhang S, **Bobulescu IA**. Metabolic and cardiovascular effects of chronic mild hyperuricemia in rodents. *J Investig Med*. 2018 Oct;66(7):1037-1044. [PMID: 30042113]
- Pathare G, Dhayat N, Mohebbi N, Wagner C, **Bobulescu IA**, Moe OW, Fuster DG. Acid and alkali loading cause acute changes in the B1 but not B2 subunit of V-ATPase in urinary exosomes. *Kidney Int*. 2018 Apr;93(4):871-880. [PMID: 29310826]
- Hu MC, **Bobulescu IA**, Quiñones H, Gisler SM, Moe OW. Dopamine reduces cell surface Na⁺/H⁺ exchanger-3 (NHE3) protein by decreasing NHE3 exocytosis and cell membrane recycling. *Am J Physiol Renal Physiol*. 2017 Oct 1;313(4):F1018-F1025. [PMID: 28768665]
- Rutkowski JM, Pastor J, Sun K, Park SK, **Bobulescu IA**, Chen CT, Moe OW, Scherer PE. Adiponectin alters renal calcium and phosphate excretion through regulation of klotho expression. *Kidney Int*. 2017 Feb;91(2):324-337. [PMID: 27914707]
- Yokoo T, Clark HR, Pedrosa I, Yuan Q, Dimitrov I, Zhang Y, Lingvay I, Beg MS, **Bobulescu IA**. Quantification of renal steatosis in type II diabetes mellitus using dixon-based MRI. *J Magn Reson Imaging*. 2016 Nov;44(5):1312-1319. [PMID: 27007212]
- Zhang D*, **Bobulescu IA***, Maalouf NM, Adams-Huet B, Poindexter J, Park S, Wei F, Chen C, Moe OW, Sakhaee K. Relationship Between Serum Uric Acid and Bone Mineral Density in the General Population and in Rats with Experimental Hyperuricemia. *J Bone Miner Res*. 2015 Jun; 30(6):992-9. [PMID: 25491196] (*equal contribution)
- Bobulescu IA**, Lotan Y, Zhang J, Rosenthal TR, Rogers JT, Adams-Huet B, Sakhaee K, Moe OW. Triglycerides in the Human Kidney Cortex: Relationship with Body Size. *PLOS One* 2014 Aug; 29;9(8):e101285 [PMID: 25170827]
- Smith CR, Poindexter JR, Meegan JM, **Bobulescu IA**, Jensen ED, Venn-Watson S, Sakhaee K. Pathophysiological and physicochemical basis of ammonium urate stone formation in dolphins. *J Urol*. 2014 Jul;192(1):260-266. [PMID: 24518786]
- Bobulescu IA**, Maalouf NM, Capolongo G, Adams-Huet B, Rosenthal TR, Moe OW, Sakhaee K. Acute acid loading unmasks the renal ammonium excretion defect of idiopathic uric acid nephrolithiasis. *Am J Physiol Renal Physiol*. 2013 Nov;305(10):F1498-503. [PMID: 24026180]
- Bobulescu IA**, Moe OW. Renal transport of uric acid: Evolving concepts and uncertainties. *Adv Chronic Kidney Dis*. 2012 Nov; 19(6):358-371 [PMID: 23089270]
- Di Sole F, Hu MC, Zhang J, Babich V, **Bobulescu IA**, Shi M, McLeroy P, Rogers TE, Moe OW. The reduction of Na/H exchanger-3 protein and transcript expression in acute ischemia-reperfusion injury is mediated by extractable tissue factor(s). *Kidney Int*. 2011 Oct; 80(8):822-831 [PMID: 21814178]

Twombly K, Gattineni J, **Bobulescu IA**, Dwarakanath V, Baum M. Effect of metabolic acidosis on neonatal Proximal tubule acidification. *Am J Physiol Regul Integr Comp Physiol*. 2010 Nov; 299(5):R1360-R1368 [PMID: 20720175]

Bobulescu IA, Quiñones H, Gisler SM, Di Sole F, Shi M, Hu MC, Zhang J, Fuster DG, Wright N, Mumby M, Moe OW. Acute regulation of renal Na⁺/H⁺ exchanger NHE3 by dopamine: Role of Protein Phosphatase 2A. *Am J Physiol Renal Physiol*. 2010 Apr; 298:F1205-F1213 [PMID: 20181665]

Bobulescu IA. Renal lipid metabolism and lipotoxicity. *Curr Opin Nephrol Hypertens*. 2010 Jul;19(4):393-402. [PMID: 20489613]

Bobulescu IA, Dubree M, Zhang J, McLeroy P, Moe OW. Reduction of renal triglyceride accumulation: Effects on proximal tubule Na⁺/H⁺ exchange and urinary acidification. *Am J Physiol Renal Physiol*. 2009 Nov; 297(5):F1419-26. [PMID: 19692486]

Bobulescu IA, Moe OW. Luminal Na⁺/H⁺ exchange in the proximal tubule. *Pflugers Arch*. 2009 May; 458(1):5-21. [PMID: 18853182]

Fuster DG, Zhang J, Shi M, **Bobulescu IA**, Andersson S, Moe OW. Characterization of the Sodium/Hydrogen Exchanger NHA2. *J Am Soc Nephrol*. 2008 Aug; 19(8):1547-1556. [PMID: 18508966]

Bobulescu IA, Dubree M, Zhang J, McLeroy P, Moe OW. Effect of renal lipid accumulation on proximal tubule Na⁺/H⁺ exchange and ammonium secretion. *Am J Physiol Renal Physiol*. 2008 Jun; 294(6):F1315-F1322. [PMID: 18417539]

Zhang J*, **Bobulescu IA***, Goyal S, Aronson PS, Baum MG, Moe OW. Characterization of Na⁺/H⁺ exchanger NHE8 in cultured renal epithelial cells. *Am J Physiol Renal Physiol*. 2007 Sep; 293(3):F761-F766. [PMID: 17581925] (*equal contribution)

Wang D, Hu J, **Bobulescu IA**, Quill TA, McLeroy P, Moe OW, Garbers DL. A sperm-specific Na⁺/H⁺ exchanger (sNHE) is critical for expression and in vivo bicarbonate regulation of the soluble adenylyl cyclase (sAC). *Proc Natl Acad Sci U S A*. 2007 May 29; 104(22):9325-9330. [PMID: 17517652]

Fuster DG, **Bobulescu IA**, Zhang J, Wade J, Moe OW. Characterization of the regulation of renal Na⁺/H⁺ exchanger NHE3 by insulin. *Am J Physiol Renal Physiol*. 2007 Feb; 292(2):F577-F585. [PMID: 17018843]

Bobulescu IA, Moe OW. Na⁺/H⁺ exchangers in renal regulation of acid-base balance *Semin Nephrol*. 2006 Sep; 26(5):334-344. [PMID: 17071327]

Bobulescu IA, Dwarakanath V, Zou L, Zhang J, Baum M, Moe OW. Glucocorticoids acutely increase cell surface Na⁺/H⁺ exchanger-3 (NHE3) by activation of NHE3 exocytosis. *Am J Physiol Renal Physiol*. 2005 Oct; 289(4):F685-F691. [PMID: 15942046]

Bobulescu IA, Di Sole F, Moe OW. Na⁺/H⁺ exchangers: physiology and link to hypertension and organ ischemia. *Curr Opin Nephrol Hypertens*. 2005 Sep; 14(5):485-494. [PMID: 16046909]

CITATION METRICS (Google Scholar, September 2022)

Total citations: >2,000
h-index: 21

SELECTED CONFERENCE PRESENTATIONS

Jansen M, Villalobos A, **Bobulescu IA**, Pressley TA, Dufour J. Design of virtual team-based learning sessions. Association of American Medical Colleges (AAMC) Southern Group on Educational Affairs (SGEA) Virtual Meeting, March 28-29, 2022.

Jansen M, Pressley T, Villalobos A, **Bobulescu IA**, Dufour J. Interactive virtual small group sessions using Zoom breakout rooms with Google Slides. The 2022 STFM Conference on Medical Student Education, San Antonio, TX, January 27-30, 2022.

Bobulescu IA. A Multi-hit Model for Uric Acid Stone Formation. R.O.C.K. Society (Research on Calculus Kinetics) Winter Meeting, March 11-12, 2016, New York, NY.

Bobulescu IA, Rosenthal TR, Thompson H, Sakhaee K, Moe OW. Renal Lipid Accumulation in Human Obesity. Experimental Biology Meeting, April 20-24, 2013, Boston, MA. (*FASEB J.* 2013. 27:738.4.)

Bobulescu IA, Nguyen A, Moe OW. Phosphate Transporters in Human Urine: Window into the Molecular Physiology and Pathophysiology of Renal Phosphate Handling. American Society of Nephrology Renal Week, Nov. 16-21, 2010, Denver, CO. (*J Am Soc Nephrol.* 2010; 21.)

Bobulescu IA, Quiñones H, Gisler SM, Di Sole F, Shi M, Hu MC, Zhang J, Fuster D, Mumby M, Moe OW. Dopamine inhibits the Na⁺/H⁺ Exchanger NHE3 via Protein Phosphatase 2A. Experimental Biology Meeting, April 24-28, 2010, Anaheim, CA. (*FASEB J.* 2010; 24:1002.26.)

Bobulescu IA, Quiñones H, Gisler SM, Di Sole F, Shi M, Hu MC, Zhang J, Fuster DG, Wright N, Mumby M, Moe OW. Protein phosphatase 2A: Key player between the natriuretic hormone dopamine and the principal sodium transporter NHE3. 48th Meeting of the Southern Salt, Water & Kidney Club, Dec. 3-7, 2008, Longboat Key, FL.

Bobulescu IA, Dubree M, Zhang J, Moe OW. Abnormalities of renal acidification associated with renal fat infiltration. American Society of Nephrology Renal Week, Nov. 2-5, 2007, San Francisco, CA. (*J Am Soc Nephrol.* 2007; 18:72A-73A.)

Bobulescu IA, Cameron MA, Maalouf NM, Sakhaee K, Moe OW. Effect of lipotoxicity on renal proximal tubule Na⁺/H⁺ exchange and NH₄⁺ secretion. Gordon Research Conference: Molecular and Cellular Biology of Lipids, Jul. 22-27, 2007, Waterville Valley, NH.

Bobulescu IA, Fuster D, Gisler S, Hu MC, Hilgemann D, Moe OW. Oligomerization of the plasma membrane Na⁺/H⁺ exchanger type 3 (NHE3). American Society of Nephrology Renal Week, Nov. 8-13, 2005, Philadelphia, PA. (*J Am Soc Nephrol.* 2005; 16:122A.)

Bobulescu IA, Fuster D, Dubree M, McLeroy P, Moe OW. Renal insulin resistance caused by lipotoxicity and manifested as reduced Na⁺/H⁺ exchanger 3 (NHE3) activity and ammonium excretion. National Kidney Foundation Spring Clinical Meetings, May 4-8, 2005, Washington, DC. (*Am J Kidney Dis.* 2005; 45(4):A20.)

Bobulescu IA, Moe OW. Renal insulin resistance: effects on Na⁺/H⁺ exchange and ammoniogenesis. Invited lecture at the American Society of Nephrology Renal Week, Oct. 29-Nov. 1, 2004, St. Louis, MO.

Bobulescu IA, Fuster D, Dubree M, Moe OW. Reduction of renal Na⁺/H⁺ exchange (NHE3) and ammonium excretion: manifestations of renal insulin resistance from lipotoxicity. American Society of Nephrology Renal Week, Oct. 29-Nov. 1, 2004, St. Louis, MO. (*J Am Soc Nephrol.* 2004; 15:68A.)

Gore O, **Bobulescu IA**, Gore C, Papacoccea R, Papacoccea T. Oxidative stress and intracerebral haematomas. 6th Congress of the European Federation of Neurological Societies, Oct. 26-29, 2002, Vienna, Austria. (abstract in *Eur J Neurol.* 2002; 9 Suppl.2:171)

Bobulescu IA, Gore O, Gore C, Diculescu M. Patient distress following laparoscopic cholecystectomy. 12th European Students Conference – for Medical Students and Young Doctors, Humboldt University School of Medicine, Nov. 21-25, 2001, Berlin, Germany.

TEACHING, MENTORING, EDUCATIONAL ADMINISTRATION

2020-present	Co-Block Director, Organ Systems 2: Renal & Respiratory Course (MSCI 5111), Texas Tech University Health Sciences Center (TTUHSC) School of Medicine
2020-2021	Curriculum Redesign Block Team, Organ Systems 2: Renal & Respiratory Block (MSCI 5111), TTUHSC School of Medicine

2020-2021 Unit Director, Renal Pathophysiology, Systems Disorders Course (MSCI 6112), TTUHSC School of Medicine

2020-2021 Unit Director, Renal and Acid-Base Physiology, Structure and Function of Major Organ Systems Course (MSCI 5103), TTUHSC School of Medicine

2019-present Scheduled teaching, TTUHSC School of Medicine:

Course Number	Course Name	Topic(s) of Instruction	Delivery Mode
MSCI 5111	Organ Systems 2	<u>Lectures:</u> Acid-Base Physiology & Disorders; Renal Sodium Handling; Renal and Acid-Base Review; Introduction to Clinical Nephrology; Kidney Stones; Genetic Diseases of the Kidney. <u>TBL/PBL sessions:</u> Renal Physiology; Acute and Chronic Kidney Disease; Kidney Stones.	Live lectures and team-based/problem-based learning
MSCI 5106	Patients, Physicians & Populations/ Development of Clinical Skills (P3/DOCS)	Many topics, including: Biostatistics/ Assessing Medical Evidence; Research Ethics; Dialysis; Transplantation; Stem Cells; Social Determinants of Health; Covid-19; Substance Use Disorders; and others	Small group learning
MSCI 6111	Step Enhancement	Renal Structure, Function, Pharmacology and Pathology Review for USMLE Step 1	Problem-based learning
MSCI 5103	Structure and Function of Major Organ Systems <i>(replaced by new MSCI 5111 for 2021-2022)</i>	Renal and Acid-Base Review; Acid-Base Physiology; Introduction to Acid-Base Disorders; Sodium Balance and Renal Sodium Handling	Live lectures and team-based/problem-based learning
MSCI 6112	Systems Disorders <i>(replaced by new MSCI 5111 for 2021-2022)</i>	Kidney Stones (lecture and case studies); Acute and Chronic Kidney Disease case studies	Live lectures and team-based/problem-based learning

2019-present Scheduled teaching, TTUHSC Graduate School of Biomedical Sciences:

Course Number	Course Name	Topic(s) of Instruction	Delivery Mode
GCMB 6320	Advanced Cell Biology	<ul style="list-style-type: none"> ▪ How to Read a Scientific Paper ▪ Cellular Trafficking 	Live lecture and interactive discussion
GBTC 6202	Biomedical Informatics	<ul style="list-style-type: none"> ▪ Introduction to Metabolomics Methods and Data Analysis 	Lecture and software training
GBCM 6333	Advanced Protein Biochemistry	<ul style="list-style-type: none"> ▪ Protein Translation and Targeting in Human Disease 	Live lecture & interactive discussion
GBTC 5020	Laboratory Methods	<ul style="list-style-type: none"> ▪ Mouse Genotyping 	Laboratory training

2019-present Research advisor for two post-doctoral fellows and four students (three graduate, one undergraduate), TTUHSC

2019-present	Full Faculty Membership in the Biochemistry, Cellular and Molecular Biology Concentration, TTUHSC Graduate School of Biomedical Sciences
2016	Faculty, Origins of Renal Physiology National Course for Renal Fellows, Mount Desert Island Biological Laboratory, Bar Harbor, ME
2013-2016	Organizer and Moderator, Mineral Metabolism Journal Club, University of Texas Southwestern Medical Center (UTSW)
2012-2018	Research supervisor for >10 students, residents and renal fellows, UTSW
2012-2016	Faculty, Basic Science Lecture Series for Renal Fellows, UTSW

EXTRAMURAL PROFESSIONAL SERVICE

2022 - present	Editorial Board, <i>Frontiers in Physiology</i> (impact factor 4.7)
2022 - present	Editorial Board, <i>Nutrients</i> (impact factor 5.7)
2022 - 2024	NIH/NIDDK R13 Review Group/ Special Emphasis Panel
2022	Session Moderator, Basic Biology of Kidney Stones Session, R.O.C.K. (Research on Calculus Kinetics) Society Annual Meeting, March 25-26, 2022, Scottsdale, Arizona
2021	Grant Review Panel, U.S. Army Medical Research and Materiel Command's Combat Casualty Care Research Program
2021	Grant Review Consultant, General Dynamics Information Technology
2019 - 2021	Guest Editor for <i>Nutrients</i> (impact factor 5.7)
2009 - present	Ad-hoc reviewer for numerous journals, including <i>American Journal of Physiology - Cell Physiology</i> ; <i>American Journal of Physiology - Gastrointestinal and Liver Physiology</i> ; <i>American Journal of Physiology - Renal Physiology</i> ; <i>Biochemistry and Cell Biology</i> ; <i>Current Opinion in Nephrology and Hypertension</i> ; <i>Diabetes and Vascular Disease Research</i> ; <i>Experimental Physiology</i> ; <i>Journal of Clinical Endocrinology & Metabolism</i> ; <i>Nephrology Dialysis Transplantation</i> ; <i>Cancers</i> ; and others

PROFESSIONAL SOCIETIES

2016 - present	R.O.C.K. Society (Research on Calculus Kinetics) elected member
2014 - present	American Society for Biochemistry and Molecular Biology
2007 - 2011	American Physiological Society
2006 - 2008	American Heart Association, Council on the Kidney in Cardiovascular Disease
2006 - 2007	American Society of Human Genetics
2002 - 2009	American Society of Nephrology

LANGUAGES

English	native or bilingual proficiency
Romanian	native or bilingual proficiency
French	professional working proficiency