

CURRICULUM VITAE

Andrey Sorokin PhD

Professor
Department of Medicine
Division of Nephrology

OFFICE ADDRESS:

MCW Cardiovascular Center
8701 Watertown Plank Rd
Milwaukee, WI 53226

EDUCATION:

09/1972 - 08/1977 M.S., St. Petersburg State University, St. Petersburg, Russia
09/1977 - 09/1980 Ph.D., Institute of Cytology of the Russian Academy of Sciences, St. Petersburg, Russia

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

10/1980 - 09/1985 Postdoctoral Fellow, Institute of Cytology of the Russian Academy of Sciences, St. Petersburg, Russia
10/1985 - 03/1989 Scientist, Institute of Cytology of the Russian Academy of Sciences, St. Petersburg, Russia

FACULTY APPOINTMENTS:

04/1989 - 10/1989 Visiting Scientist, Ludwig Institute for Cancer Research, Uppsala
11/1989 - 10/1990 Senior Scientist (Assistant Professor), Physiology of Cell Cycle Division, Institute of Cytology of the Russian Academy of Sciences, St. Petersburg
11/1990 - 11/1994 Instructor, Department of Pharmacology, New York University Medical Center, New York, NY
12/1994 - 06/1995 Assistant Professor, Department of Medicine, Department of Physiology (secondary), Case Western Reserve University (secondary), Case Western Reserve University, Cleveland, OH
07/1995 - 06/2001 Assistant Professor, Department of Medicine, Department of Physiology (secondary), Nephrology, Department of Physiology (secondary), Medical College of Wisconsin, Milwaukee, WI
07/2001 - 07/2006 Associate Professor, Department of Medicine, Nephrology, Medical College of Wisconsin, Milwaukee, WI
07/2004 - 07/2006 Associate Professor, Department of Microbiology and, Molecular Genetics (secondary), Medical College of Wisconsin, Milwaukee, WI
2006 - Present Professor, Department of Medicine, Department of Physiology (secondary), Department of Microbiology and Immunology (secondary), Nephrology, Medical College of Wisconsin, Milwaukee, WI

RESEARCH ADMINISTRATIVE APPOINTMENTS:

07/1995 - Present Director, Signal Transduction Research Laboratory, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, WI 53226

AWARDS AND HONORS:

12/2005 Certificate of Recognition as an Outstanding Researcher in the Division of Nephrology , Medical College of Wisconsin
06/2015 Department of Medicine Michael J Dunn Award for Research Excellence, Medical College of Wisconsin
06/2017 Faculty Development Award, Medical College of Wisconsin

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

01/2001 - Present American Society of Nephrology
01/2002 - 2018 American Society for Biochemistry and Molecular Biology
08/2004 - 2010 Cell Death Society
01/2006 - 2018 International Society of Nephrology
01/2010 - 2016 American Society of Hypertension

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Editorial Board
09/2007 - 09/2008 ET-10 proceedings
04/2008 - Present "Cell Health and Cytoskeleton"
01/2011 - 12/2011 ET-12
09/2011 - Present "Frontiers in Renal and Epithelial Physiology"
01/2013 - 12/2013 Life Sciences Endothelin Special Editorial Advisory Board for the Proceedings of the Thirteenth International Conference on Endothelin (ET-13)

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

07/2000 - 06/2003 Member, American Heart Study Section, National Cardiorenal Peer Review Committee
01/2001 - 12/2001 Department of Veteran Affairs, Ad Hoc Reviewer, Nephrology Review Board
12/2003 - Present Reviewer, Intramural Grant Proposals, Kansas University Medicine & Health Sciences
01/2004 - 07/2014 Abstract Grader, American Heart Association's 2004-2011 Scientific Sessions, Growth Factors, Cytokines, Signal Transduction category (2004-2008, 2010, 2011, 2012, 2014) and Autonomic, Reflex, and Neurohormonal Control of Circulation category (2009).
03/2005 - 08/2005 Abstract Reviewer, Society for Free Radical Biology and Medicine
01/2007 - 08/2007 Member, American Heart Study Section, National Cardiorenal Peer Review Committee
03/2008 - 09/2010 Abstract Reviewer, Annual Meeting of the Society, Free Radical Biology and Medicine (SFRBM) (2008-2011)
2013 Panel member - Online Reviewer, Peer Reviewed Medical Research Program, Department of Defense Preapplication-chronic kidney disease.
2013 Panel member - Online Reviewer, Peer Reviewed Medical Research Program, Department of Defense Discovery-Internal Medicine
2013 Panel Member - Teleconference Reviewer, Peer Reviewed Medical Research Program, Department of Defense. Chronic Kidney Disease
2014 Panel Member - Teleconference Reviewer, Peer Reviewed Cancer Research Program, Department of Defense
2015 Panel Member - Online Reviewer, Peer Reviewed Cancer Research Program - Department of Defense, Discovery-Chronic Kidney Disease
2015 Panel Member - Teleconference Reviewer, Peer Reviewed Medical Research Program - , Department of Defense Focused Program - Psychotropic Medications
2017 Panel Member, Peer Reviewed Medical Research Program, Department of Defense Focused Program - Psychotropic Medications
2017 Panel Member, Peer Reviewed Medical Research Program - Urological Disorders, Department of Defense
2018 Panel Member, Peer Reviewed Medical Research Program on the Pre-application Urologic Disorders (PRE-UD) panel, Department of Defense
2019 Panel Member, AHA Fellowship Molecular Signaling & Cell Transport 1 Committee
2020 Panel Member, Peer Reviewed Medical Research Program - Urological Disorders, Department of Defense
2021 Panel Member, AHA Fellowship Basic Science 6 panel, American Heart Association
2021 Panel Member, Peer Reviewed Medical Research Program on the Pre-application Urologic Disorders (PRE-UD) panel, Department of Defense
2021 Panel Member, AHA Cell Trans Fellowship Committee, American Heart Association
2022 - 2024 Panel Member, Peer Reviewed Medical Research Program, Department of Defense
2022 - 2023 Panel Member, AHA Fellowship Basic Science 6 panel, American Heart Association
2023 Scientific Reviewer, NIH Vascular Biology and Hematology Study Section, National Institute of Health
2023 - 2024 Panel Member, Kidney Cancer Research Program - Panel CMB-1, Department of Defense
2024 Panel Member, NIH 2024/05 ZRG1 F04B -S (20) L Fellowship SEP, National Institute of Health
2024 Scientist Reviewer, CDMRP's Urology Disorders peer review panel, Department of Defense.

2025 Panel Member, ZRG1 KUDS-HOS Study Section, National Institute of Health
2025 Ad Hoc Reviewer, Pathobiology of Kidney Diseases Study Section, National Institute of Health

INTERNATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

01/2004 - 12/2005 Member, ET-9 Advisory Board, International Conference
01/2005 - 10/2005 Abstract Reviewer, Ninth International Conference
01/2005 - 12/2005 Member, Local Organizing Committee, Ninth International Conference
01/2007 - 10/2020 Faculty Member, Pathophysiology of Chronic Kidney Disease section within the Nephrology, Faculty of 1000 Medicine
2018 Poster Judge, Digestive Diseases Congress
2020 - 2024 Referee, Adjudication of Ph.D Thesis Adjudication of Ph.D Thesis Adjudication of Ph.D. Thesis, Vellore Institute of Technology

RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

Pending

Peer Review

Title:	p66Shc in Cerebrovascular Impairment in Alzheimer's Disease
Source:	NIH R21 AG094068-01A1 (Percentile 6.0)
Role & Effort:	Principal Investigator
Dates:	12/01/2025 - 11/30/2027
Direct Funds:	\$441,460 (Total)

Prior

Peer Review

Title:	Eicosanoids & Platelet Activating Factor in Renal Injury
Source:	NIH (Dunn)
Role & Effort:	Co-Principal Investigator
Dates:	1994 - 1999
Direct Funds:	\$675,145 (Total direct cost for all years)

Title:	Prostaglandins, The Kidney and Hypertension
Source:	NIH (Dunn)
Role & Effort:	Co-Principal Investigator
Dates:	1994 - 1999
Direct Funds:	\$1,280,645 (Total direct cost for all years)

Title:	Non-isotopic single-strand conformation polymorphism (SSCP) analysis of adaptor protein Crk gene in cancer
Source:	New Investigator Award/American Cancer Society grant
Role & Effort:	Principal Investigator
Dates:	07/01/1995 - 06/30/1996
Direct Funds:	\$10,000 (total direct cost for all years)

Title:	Molecular scanning of adaptor protein Crk gene in tumors
Source:	Milheim Foundation for Cancer Research Grant
Role & Effort:	Principal Investigator

Dates:	07/01/1995 - 06/30/1996
Direct Funds:	\$13,000 (Total cost for all years)
Title:	Molecular scanning of PGHS-2 promoter in colon tumors
Source:	New Interdisciplinary Research Project Grant Cancer Center, Medical College of Wisconsin
Role & Effort:	Principal Investigator
Dates:	07/01/1998 - 06/30/1999
Direct Funds:	\$25,000 (total cost for all years)
Title:	Vascular Signaling by Free Radicals
Source:	NIH 1P01 HL 68769 (Harder)
Role & Effort:	Co-Investigator
Dates:	04/01/2002 - 03/31/2009
Direct Funds:	\$1,023,495 (Total direct cost for all years)
Title:	Endothelin Signaling and Regulation of Protein Kinases
Source:	NIH 5R01HL022563
Role & Effort:	Principal Investigator
Dates:	09/01/2003 - 08/30/2009
Direct Funds:	\$1,747,250 (Total cost for all years)
Title:	Cellular and Molecular Mechanisms Regulating Nutritive Cerebral Blood Flow
Source:	NIH 1P01HL 59996 (Harder)
Role & Effort:	Co-Investigator
Dates:	12/01/2004 - 11/30/2009
Direct Funds:	\$1,603,050 (Total direct cost for all years)
Title:	Role of Cdc42/Rac guanine nucleotide exchange factor in endothelin signaling in glomerular mesangial cells
Source:	American Heart, Greater Midwest Affiliate, 0520114Z, Postdoctoral Fellowship (applicant A. Chahdi)
Role & Effort:	Sponsor
Dates:	01/01/2005 - 12/31/2007
Direct Funds:	\$110,000
Title:	Cellular Regulation of Prostaglandin Synthesis
Source:	NIH RO1DK41684
Role & Effort:	Principal Investigator
Dates:	02/15/2005 - 11/30/2011
Direct Funds:	\$1,250,000 (Total direct cost for all years)
Title:	Regulating Cerebral Microcirculation by astrocytes
Source:	NIH R01 HL33833 (Harder)
Role & Effort:	Co-Investigator

Dates:	04/01/2005 - 03/31/2009
Direct Funds:	\$1,400,000 (total cost for all years)
Title:	Pyk2/Rap1 pathway in endothelin-1 signaling in renal mesangium
Source:	American Heart, Greater Midwest Affiliate, 0525801Z, Postdoctoral Fellowship (applicant V. Petrukhina)
Role & Effort:	Sponsor
Dates:	07/01/2005 - 06/30/2007
Direct Funds:	\$104,000
Title:	Protein-protein interactions controlling Cox-2 function
Source:	Faculty Research Inducement Grant of the Biotechnology and Bioengineering Center Medical College of Wisconsin
Role & Effort:	Principal Investigator
Dates:	07/01/2005 - 06/30/2006
Direct Funds:	\$13,000
Title:	BK virus entry pathways and prevention of polyomavirus nephropathy after renal transplantation
Source:	Roche Organ Transplantation Research Foundation
Role & Effort:	Principal Investigator
Dates:	09/01/2008 - 02/01/2014
Direct Funds:	\$200,000 (Total direct cost for all years)
Title:	Eicosanoids and resistance of prostate cancer cells to chemotherapeutic agents
Source:	Wisconsin Breast Cancer Showhouse
Role & Effort:	Principal Investigator
Dates:	03/01/2009 - 02/27/2011
Direct Funds:	\$132,000 (total direct cost for all years)
Title:	Adaptor protein p66 Shc and hypertension-induced nephropathy
Source:	Midwest Affiliate American Heart Association Predoctoral Fellowship (Alexanian)
Role & Effort:	Sponsor
Dates:	07/01/2010 - 06/30/2012
Direct Funds:	\$52,000
Title:	Eicosanoids and resistance of prostate cancer cells to chemotherapeutic agents
Source:	Fraternal Order of Eagles
Role & Effort:	Principal Investigator
Dates:	07/01/2010 - 06/30/2015
Direct Funds:	\$10,000 (Total direct cost for all years)
Title:	Mitochondria-targeted Agents in Breast Cancer
Source:	NIH RO1CA152810-01 (Kalyanaraman)
Role & Effort:	Co-Investigator

Dates:	07/14/2010 - 04/30/2015
Direct Funds:	\$1,250,000 (Total direct cost for all years)
 Title:	 Mitochondria-targeted Agents in Breast Cancer
Source:	NIH R01DK052448 (Raymond)
Role & Effort:	Co-Investigator
Dates:	10/01/2010 - 08/13/2014
Direct Funds:	\$875,000 (Total direct cost for all years)
 Title:	 BK Virus Receptor and Polyomavirus Nephropathy
Source:	NIH R21DK088018-01
Role & Effort:	Principal Investigator
Dates:	04/01/2011 - 03/31/2015
Direct Funds:	\$420,750 (Total for all years)
 Title:	 Novel regulation of Cox-2 activity in prostate cancer
Source:	Advancing a Healthier Wisconsin Research and Education Program Funds
Role & Effort:	Principal Investigator
Dates:	01/01/2013 - 12/31/2013
Direct Funds:	\$30,000
 Title:	 Endothelin Signaling and Actions in Renal Mesangium
Source:	NIH RO1DK098159
Role & Effort:	Principal Investigator
Dates:	09/20/2013 - 08/31/2017
Direct Funds:	\$1,331,100 (Total for all years)
 Title:	 Posttranslational regulation of Cox-2 activity in prostate cancers
Source:	NIH/NCI 1R03CA182114
Role & Effort:	Principal Investigator
Dates:	07/01/2014 - 06/30/2016
Direct Funds:	\$153,000 (Total for all years)
 Title:	 Role of Shc proteins in mammary tumor progression
Source:	MCW Cancer Center
Role & Effort:	Principal Investigator
Dates:	05/01/2016 - 04/30/2018
Direct Funds:	\$100,000 (Total for all years)
 Title:	 Role of p66Shc in Regulation of Microvascular Reactivity of Renal Blood Vessels
Source:	NIH R01 HL147976
Role & Effort:	Principal Investigator
Dates:	07/07/2019 - 06/30/2024
Direct Funds:	\$1,550,800 (Total for all years)

Non-Peer Review

Title: Cyclooxygenase-2 and apoptosis in

Source:	prostate cancer MCW Prostate Cancer Research Program
Role & Effort:	Principal Investigator
Dates:	09/01/2001 - 08/30/2003
Direct Funds:	\$100,000
Title:	Cardiovascular Research Center
Source:	Fellowship in Hypertension Department of Physiology, Medical College of Wisconsin
Role & Effort:	Sponsor (applicant Patel)
Dates:	12/01/2001 - 11/30/2002
Direct Funds:	\$80,000
Title:	Caveolae-associated BK virus infection of kidney cells
Source:	Program Development Grant, Division Nephrology, Department of Medicine
Role & Effort:	Principal Investigator
Dates:	07/01/2005 - 06/30/2007
Direct Funds:	\$100,000
Title:	Role of Modulators of Stress Response in Nephrotoxicity after Renal Transplantation
Source:	CTSI Pilot Award
Role & Effort:	Principal Investigator
Dates:	06/01/2024 - 05/31/2025
Direct Funds:	\$50,000

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

International

Oligomerization and signaling by EGF and FGF, Leopold Franzens University of Innsbruck, Innsbruck, Austria, 1996

Signaling by EGF receptor., Medizinische Universitats - Poliklinik, Bonn, Germany, 1997

Cyclooxygenase 2 regulation of NO production and apoptosis in cancer. Invited lecture. University of Florence, Florence, Italy (2001), 2001

Endothelin signaling and regulation of protein kinases., University of Florence, Florence, Italy, 2001

Regulation of endothelin signaling by adaptor proteins., St. Petersburg, Russia, 2002

Overexpression of Cox-2 Inhibits apoptosis In PC12 cells and glomerular mesangial cells., Innsbruck, Austria, 2003

"Endothelin-9", International Conference, Salt Lake City, UTA, 09/2005

Signaling Pathways, 11th World Congress on Advances in Oncology and 9th International Symposium on Molecular Medicine, Creta Maris, Hersonissos Crete, Greece, 10/12/2006 - 10/14/2006

"Mechanisms of endothelin receptor function and signaling", Tenth International Conference on Endothelin, Bergamo, Italy, 09/16/2007 - 09/19/2007

Pix: multi-purpose guanine nucleotide exchange factor., St Petersburg, Russia, 10/10/2007 - 10/16/2007

Chair and moderator for the session "Cellular regulation of the endothelin pathway" at ET-11, Eleventh APS International Conference, Montreal, Canada, 09/09/2009 - 09/12/2009

Endothelin signaling and new approaches to genome editing., St Petersburg, Russia, 03/2010

"Channelopathies in the kidney", 1st PanAmerican Congress of Physiological Sciences, Iguassu Falls, Brazil, 08/02/2014 - 08/06/2014

Mechanisms of hypertension-induced renal vascular dysfunction., Athens, Greece, 10/2014

Molecular Mechanisms of Renal Vascular Dysfunction in Hypertension, Sankt Petersburg, Russia, 05/2015
p66Shc Functions. Institute of Cytology of the Russian Academy of Sciences, Department of Intracellular

National

EGF receptor signaling. Invited lecture., Memorial Sloan Kettering Cancer Center, New York, NY, 05/1994
Stabilization of an active dimeric form of EGF receptor., Georgetown University, Washington, DC, 06/1994
Stabilization of an active dimeric form of the EGF receptor by introduction of an inter-receptor disulfide bond., Yale University, New Haven, Connecticut, 06/1994
Activation of the EGF and FGF receptor. Invited lecture., Medical College of Georgia, Augusta, 06/1994
Stabilization of an active dimeric form of EGF receptor., Cleveland, Ohio, 07/1994
Oligomerization and signaling by EGF and FGF receptor., Medical College of Wisconsin, 1995
Northern Illinois University, Illinois, 1996
Regulation of Endothelin signaling by protein-protein interactions., Chapel Hill, North Carolina, 03/2002
Eicosanoid & Atherogenesis Symposium, 4th Winter Eicosanoid Conference 2002, Baltimore, Maryland, 03/2002
Eicosanoid & Atherogenesis, 5th Winter Eicosanoid Conference 2002, Baltimore Maryland, 03/2003
7th Winter Eicosanoid Conference 2002, Baltimore, Maryland, 03/2005
Mechanisms controlling activation of small G proteins by Endothelin-1., University of Michigan, 04/27/2005
Endothelin signaling and hypertension-induced nephropathy., University of Toledo, 11/2009
Endothelin signaling and hypertension-induced nephropathy., North Dakota State University, 02/2010
Hypertension Induced Nephropathy., Texas Tech University Health Science Center, Amarillo, 03/2010
Endothelin signaling and hypertension-induced nephropathy, University of Alaska Anchorage, 04/2010
Endothelin signaling and hypertension-induced nephropathy., Michigan State University, Lansing, 04/2010
Endothelin signaling and hypertension-induced nephropathy., University of Alaska Fairbanks, 04/2010
Endothelin signaling and hypertension-induced nephropathy., University of Oklahoma, Oklahoma, 05/2010
Endothelin signaling and Mechanisms of Renal Injury., The Sophie Davis School of Biomedical Education, The City College of New York, 07/2010
Mechanisms of hypertension induced renal vascular dysfunction, The Sophie Davis School of Biomedical Education, St. John's University, The City College of New York, 11/2012
Mechanisms of hypertension induced renal vascular dysfunction, Norfolk, 01/2013
Mechanisms of hypertension-induced renal vascular dysfunction., Cambridge, MA, 06/2013
Endothelin Signaling and Mechanisms of Renal Injury and Vascular Dysfunction., Northwest, 03/2015
Endothelin – Physiology, Pathophysiology and Therapeutics, Savanna, 09/2015

Regional

Eicosanoids and resistance of prostate cancer cells to chemotherapeutic agents. Invited lecture. Fraternal Order of Eagles Wisconsin Chapter Annual Meeting, Fraternal Order of Eagles Wisconsin Chapter Annual Meeting, Wisconsin, 06/2010

Local

Department of Physiology, MCW, 1997
Cardiovascular Research, Cardiovascular Research Seminar, MCW, 1998
Cyclooxygenase 2, Nitric Oxide Synthase and Apoptosis., Department of Physiology, MCW, 2001
Protein tyrosine kinase Pyk2 mediates endothelin-induced p38 MAP kinase activation, Cancer Center Signaling and Gene Expression Group, MCW, 2001
Endothelin signaling via adaptor protein p66 Shc, Cancer Center Signaling and Gene Expression Group, MCW, 2001
Cyclooxygenase 2 and apoptosis in prostate cancer., Prostate Cancer Research Group, MCW, 2002
Regulation of apoptosis by Cyclooxygenase-2., Nephrology Research Conference, MCW, 2002
The contributions of cyclooxygenase 2 to protection from cell death., Cardiovascular Research Center, MCW, 2002
Endothelin signaling in glomerular mesangial cells., Department Physiology, MCW, 2002
Cyclooxygenase-2: potential role in regulation of drug efflux and multidrug resistance phenotype., SAGE Meeting, MCW, 2003
Pix, Pyk, Shc, Crk: Abracadabra of Endothelin signaling., Cardiovascular Research Center seminar series, MCW, 2003
Endothelin signaling and regulation of apoptosis., Department of Microbiology and Molecular Genetics, MCW, 2004

Role of adaptor protein p66 Shc in endothelin signaling in renal mesangium., Nephrology Research Conference, MCW, 2004

Signaling pathways regulating endothelin-mediated activation of the Ras- and Rho-families of small G proteins, Herma Heart Center Research Day, Milwaukee, 03/02/2005

Mechanisms controlling activation of Ras, Cdc42 and Rap1 small G-proteins by Endothelin-1., Cell Signaling Research Club, MCW, 04/21/2005

Eicosanoids and resistance of cancer cells to apoptosis., Nephrology Research Conference, MCW, 07/2006

Endothelin signaling and Cox-2-mediated resistance cells to apoptosis., Human and Molecular Genetics Center, MCW, 08/2006

BK virus entry pathways and prevention of polyomavirus nephropathy after renal transplantation., Nephrology Research Conference, MCW, 12/2007

Endothelin-1signaling via GEFs C3G and BCAR3 in kidney glomerular cells., Cell Signaling Research Club, MCW, 02/2008

BK virus-induced signaling and entry pathways in renal tubular epithelial cells, Cell Signaling Research Club, MCW, 11/2008

Pix Signaling: New pathways with new promise., Cardiovascular Research, MCW, 12/2008

BK virus entry pathways., Microbiology and Molecular Genetics, MCW, 11/2009

Eicosanoids and growth of cancer cells, Inflammation and Cancer Cell Biology Research Group, MCW, 12/2009

Cellular regulation of prostaglandin synthesis., Nephrology Research Conference, MCW, 03/2010

Endothelin signaling and hypertension induced nephropathy., Hypertension Affinity Group, MCW, 03/2010

p66 Shc and Cox-2 - relevant targets for Zinc Finger Nucleases-mediated genome editing to study renal, Stem Cells Affinity Group, Cardiovascular Center, MCW, 06/2010

BK virus entry pathways in proximal tubular epithelial cells., Solid Organ Transplant Center, MCW, 07/2010

Cellular Regulation of Prostaglandin Synthesis, Inflammation and Cancer Cell Biology Research Group, MCW, 10/2010

Endothelin signaling and actions in renal mesangium., Nephrology Research Conference, MCW, 03/2011

Role of p66 Shc in hypertension induced renal vascular dysfunction., Hypertension Affinity Group, Cardiovascular Center, MCW, 06/2011

p66 Shc signaling and actions in the kidney, Nephrology Research Conference, MCW, 10/2011

p66 Shc and renal microvascular function, Nephrology Research Conference, MCW, 02/2012

p66 Shc restrains cellular contractility and promotes renal vascular dysfunction., Hypertension Affinity Group, MCW, 11/2012

Mechanisms of hypertension-induced renal vascular dysfunction, Nephrology Research Conference, MCW, 02/2013

Role of redox protein p66 Shc in renal pathologies., Redox Biology program, MCW, 04/2013

Post-translational regulation of Cox-2 activity in prostate cancer, Cancer Cell Biology Research Forum, MCW, 10/2013

Post-translational regulation of Cox-2 activity., Hypertension Affinity Group, Cardiovascular Center, MCW, 12/2013

Prostaglandins and glomerulonephritis, Nephrology Research Conference, MCW, 02/2014

p66 Shc regulates vascular tone in hypertension-induced nephropathy., Hypertension Affinity Group, Cardiovascular Center, MCW, 12/2014

p66 Shc regulates vascular tone in hypertension-induced nephropathy, Nephrology Research Conference, MCW, 02/2015

Adaptor Protein p66 Shc and regulation of calcium homeostasis in renal pathologies., Nephrology Research Conference, MCW, 12/2015

Non-lytic release of BK virus, Nephrology Research Conference, MCW, 05/2016

"Shc proteins in regulation of vascular function", Cardiovascular Research Center, MCW, 09/2016

Multiple targets of Shc proteins, Hypertension Affinity Group, MCW, 12/2016

"Targeted Modification of Shc1 Gene to Study Nephropathies and Proliferative Diseases", Nephrology Research Conference, MCW, 03/2017

APOL1 Risk Alleles in Nephrology, Nephrology Research Conference, MCW, 04/2017

"The role of p66Shc in vascular dysfunction", Nephrology Research Conference, MCW, 09/2017

"Role of Shc proteins in mammary tumor progression", Cancer Forum, MCW, 09/2017

"Inactivation of Adaptor Protein p66Shc Decreases Afferent Arteriolar KATP Channel Activity and Decreases Renal Damage in Diabetic Dahl SS Rats", Nephrology Research Conference, MCW,

07/2018

"The Role of Adaptor Protein p66Shc in Vascular Dysfunction and Renal Injury", Department Physiology, MCW, 02/2019

"p66Shc in Nephrogenesis and cerebral vascular function", Hypertension Affinity Group, MCW, 03/2019

"Novel Therapeutic Targets in Treatment of FSGS", Nephrology Research Conference, MCW, 08/2019

"Role of adaptor protein p66Shc in breast cancer therapy-induced cardiovascular toxicity", Cardio-Oncology Affinity Group, MCW, 08/2019

"p66Shc Signaling and Nephrogenesis", Nephrology Research Conference, MCW, 02/2020

"Vascular Dysfunction in Severe SARS-CoV-2 Infection", Nephrology Research Conference, MCW, 08/2020

"Small Molecule Drug SHetA2 as a Candidate for therapeutic Intervention of p66Shc-Mediated Renal Vascular Diseases", Nephrology Research Conference, MCW, 01/2021

"p66Shc and Renal Diseases Associated with Reduction of Microvascular Reactivity", Hypertension Affinity Group, MCW, 01/2021

"Targeting p66Shc Signaling for Treatment of Microvascular Diseases", Nephrology Research Conference, MCW, 01/2022

"p66Shc and Calcineurin Inhibitor-Mediated Nephrotoxicity", Nephrology Research Conference, MCW, 08/2022

"Cox-2 and Mechanisms of Glomerular Pathologies", Nephrology Research Conference, MCW, 08/2024

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

International

Foschi, M., SOROKIN, A., Endothelin, Seventh International Conference, Edinburgh, Scotland, 10/2001

SOROKIN, A., The Role of p66Shc in Regulation of Microvascular Reactivity of Renal Blood Vessels., International Meeting on Cell Science and Molecular Biology, Valencia, Spain, 04/17/2004 - 04/19/2004

Chahdi A., SOROKIN A., Endothelin-1 induces 1Pix translocation and Cdc42 activation via protein kinase A pathway, Ninth International Conference Endothelin, Park City, Utah, 09/11/2005 - 09/14/2005

Petrukhina V., SOROKIN A., Molecular mechanisms controlling activation of Rap1 by Endothelin-1 in human mesangial cells., Ninth International Conference on Endothelin, Park City, Utah, 09/11/2005 - 09/2005

SOROKIN, A., Roman R., Eicosanoids and resistance of cancer cells to apoptosis., 11th World Congress on Advances in Oncology and the Internal Symposium on Molecular Medicine, Creya Maris, Hersonissos, 10/12/2006 - 10/14/2006

SOROKIN, A., C3G, Tenth International Conference on Endothelin., Bergamo, Italy, 2007

SOROKIN, A., BK virus, American Transplantation Congress, Toronto, Canada, 06/2008

Staruschenko A., SOROKIN, A., ENaC, Eleventh International Congress on Endothelin, Montreal, Canada, 09/09/2009 - 09/12/2009

SOROKIN A., BK virus, Eleventh International Congress on Endothelin, Montreal, Canada, 09/09/2009 - 09/12/2009

SOROKIN, A., Post-translational regulation of Cox-2, 9th International Conference of Anticancer Research, Sithonia, Greece, 10/06/2014 - 10/09/2014

SOROKIN A., Endothelin Signaling., 2nd International Conference, Chicago, IL, 10/22/2014 - 10/25/Present

SOROKIN, A., Endothelin Signaling and intracellular calcium handling., 14th International Conference on Endothelin, Savanna, 09/02/2015 - 09/05/2015

SOROKIN, A., p66Shc regulates vascular dysfunction and renal damage in diabetic nephropathy, 4th World Congress on Digestive & Metabolic Diseases, San Francisco, 10/29/2018 - 10/30/2018

National

Petrukhina V. and SOROKIN A., C3G, ASN Annual Meeting 2004, Missouri, 10/2004

Moryama T., SOROKIN, A, BK virus., ASN National Meeting 2007, San Francisco, CA, 10/2007

Staruschenko, A., SOROKIN, A., Pix and ENaC. San Diego, ASN Annual Meeting, San Diego, CA, 10/27/2009 - 11/01/2009

SOROKIN, A., Topic: p66Shc and Diabetic Kidney Disease., ASN Annual Meeting 2017, New Orleans, 10/31/2017 - 11/05/2017

SOROKIN, A., The Role of p66Shc in Regulation of Microvascular Reactivity of Renal Blood Vessels., Vasculata, Milwaukee, WI, 07/15/2019 - 07/18/2019

COMMITTEE SERVICE:**Medical College of Wisconsin**

01/1999 - 12/2001 Member, ARC Faculty Advisory Committee, Medical College of Wisconsin
07/2001 - 07/2008 Co-Director, Weekly Nephrology Research Conference
01/2002 - 12/2006 Director, CVC Seminar Series Cardiovascular Research Center
07/2002 - Present Member, Research Honors Committee, Medical College of Wisconsin
2002 - Present Reviewer for the Annual Research Day Poster Session.
07/2005 - 07/2006 Member, Interdepartmental Search Committee for Recruitment in Cancer Research
2005 - 2007 Interviewer, Admission Interviews for Graduate School of Biomedical Sciences.
2005 - 2007 Member, Committee for Reviewing Graduate Student Poster Day
2007 - 2009 Member, Mentoring Committee for Junior Faculty Dr. Niloofa Tabatabai.
2008 - Present Member, Awards Committee of the Graduate Studies Council
2009 - 2010 Member, Committee for Reviewing Graduate Student Poster Day
2009 - Present Member, Local Review Committee American Cancer Society Institutional Research Grant (ACS-IRG)
2009 - 2010 Member, MCW Clinical and Translational Science Institute Grant Review Committee
2009 - 2010 Scientific Reviewer for the medical student "summer research" poster presentation.
2009 Member, Cancer Center's Research Grants Committee for the fall 2009 cycle
11/2010 - 2013 Co-Director, Seminar Series for RCEPN, KDC and CVC
2010 Member, CTSI Clinical Scientist Mentoring Team.
2011 - Present Member, Cancer Center Research Grants Committee.
2013 - Present Member, Mentoring Committee for Junior Faculty Dr. Kevin Regner.
Medical College of Wisconsin

MCW TEACHING ACTIVITIES:**Graduate Student Education**

1997 Advanced Molecular Genetics Course, 1997 Dept. Biochemistry, MCW; 3 hours teaching and exam questions
1999 Principles of Drug Action II: Intracellular Signaling, Dept. Pharmacology, 3 hours teaching and exam questions
1999 Membrane Biochemistry and Signal Transduction, Dept. Biochemistry, 3 hours teaching and exam questions
2001 Principles of Drug Action: Cellular Signal Transduction, Dept. Pharmacology, 3 hours teaching and exam questions
2001 - 2003 Basic Science Curriculum, Dept. Medicine, (one lecture/year)
2002 Principles of Drug Action: Cellular Signal Transduction, Dept. Pharmacology, 3 hours teaching and exam questions
2004 Principles of Drug Action: Cellular Signal Transduction, Dept. Pharmacology, 3 hours teaching and exam questions
2005 Biochemistry of the Cell (Course # 16201), Interdisciplinary Graduate Program in Biomedical Science, 4 hours teaching and exam questions
2006 Cell Signaling Course, Dept. Pharmacology, 4 hours teaching and exam questions
2008 Cellular Signal Transduction course, Dept. Pharmacology, 4 hours teaching and exam questions.
2008 Mechanisms of Cellular Signaling, Dept. Pharmacology, 4 hours teaching and exam questions.
2009 Molecular Biology for Physiologists, Dept. Physiology, 4 hours teaching and exam questions.
2010 Cellular Signal Transduction course, 2 Dept. Pharmacology, 3 hours teaching and exam questions.
2010 Molecular Biology for Physiologists, Dept. Physiology, 4 hours teaching and exam questions.
2012 Advanced Cellular Signal transduction course, Dept. Pharmacology, 4 hours teaching and exam questions
2013 Graduate Seminar (MMG 25300A Course), Dept. Microbiology
2014 Advanced Cellular Signal Transduction course (Pharm 07224), Dept. Pharmacology
2014 Course MIMG Seminar, Dept. Microbiology
2015 Course MIMG Seminar, Dept. Microbiology
2016 Cellular Signal Transduction course (Pharm 07224)

2017 Course MIMG Seminar, Dept. Microbiology
2019 Cellular Signal Transduction course (Pharm 07224)

EXTRAMURAL TEACHING:

Graduate Student Education

2010 WWAMI Microbiology course (invited lecture), University of Alaska, Anchorage; 2 hours teaching

MCW STUDENTS, FACULTY, RESIDENTS AND CLINICAL/RESEARCH FELLOWS MENTORED:

Medical Students

10/2013 - 09/2015 Andrew Chong, Mentor for the Medical Student Research Program, MCW

01/2015 - 12/2015 Hector Lopez, Mentor for the Medical Student Research Program, MCW

**EXTRAMURAL STUDENTS, FACULTY, RESIDENTS, AND CLINICAL/RESEARCH FELLOWS
MENTORED:**

Undergraduate Students

2001 - 2004, Preceptor of Minority Summer Research Training Program (3 students)

Graduate Students

MA Committees

PhD Committees

Clinical/Research Fellows

Residents

Christiane Mbianda 10/2014-04/2015, Research Mentor

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2. Vinogradova N., SOROKIN, A.B, Nikolsky N.N. Transport of D-xylose in cultured animal cells. *Studia Biophysica*, 85:23-24, 1981.
3. SOROKIN, A.B., Sorkin A.D., Nikol'skii N.N. Uridine transport and phosphorylation in 3T3 and CHO cells with induced cell proliferation. *Tsitologiya*, 23:523-530, 1981.
4. SOROKIN, A.B., Sorkin A.D., Nikol'skii N.N. Uridine transport and phosphorylation in 3T3 and CHO cells depending on the culture growth conditions. *Tsitologiya*, 23: 419-426, 1981.
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6. Sorkin A.D., SOROKIN, A.B. Mathematical analysis and experimental study of uridine transport and phosphorylation in 3T6 cells. *Tsitologiya*, 25: 784-792, 1983.
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16. SOROKIN, A.B., Romanov V.I., Komissarchik I.Y., Nikol'skii N.N. Immunocytochemical localization of epidermal growth factor receptors on plasma membrane of A-431 cells. *Doklady Akademii Nauk Sssr*, 300: 974-976, 1988.
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- 9. SOROKIN, A. "Glomerulonephritis and cellular regulation of prostaglandin synthesis" in *An Update on Glomerulopathies - Etiology and Pathogenesis*, Professor Sharma Prabhakar (Ed.), ISBN: 978-953-307-388-0, InTech, 2011 Available from: <http://www.intechopen.com/articles/show/title/glo> merulonephritis-and-cellular-regulation-of-prostaglandin-synthesis
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- 14. Abstracts (not shown)
- 15. Numerous abstracts have been published in years from 1980 to present.