Date of Document: March 29, 2024

CURRICULUM VITAE

Andrey Sorokin PhD

Professor
Department of Medicine
Division of Nephrology

OFFICE ADDRESS:

Cardiovascular Research Center
8701 Watertown Plank Rd
Milwaukee, WI 53226

EDUCATION:

09/1972 - 08/1977 M.S., St. Petersburg State University, Russia, St. Petersburg
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, Sweden
11/1989 - 10/1990 Senior Scientist (Assistant Professor), Institute of Cytology of the Russian Academy of Sciences, Russia, Physiology of Cell Cycle Division, 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, Cleveland, OH
07/1995 - 06/2001 Assistant Professor, Department of Medicine/Nephrology, Department of Physiology (secondary), Medical College of Wisconsin, Milwaukee, WI
07/2001 - 07/2006 Associate Professor, Department of Medicine/Nephrology
07/2004 - 07/2006 Associate Professor, Department of Microbiology and, Molecular Genetics (secondary), Medical College of Wisconsin, Milwaukee, WI
07/2006 - Present Professor, Department of Medicine/Nephrology, Department of Physiology (secondary), Department of Microbiology and Molecular Genetics (secondary), Medical College of Wisconsin, Milwaukee, WI
Department of Physiology (secondary), 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 - Present Medical College of Wisconsin Division of Nephrology Certificate of Recognition as an Outstanding Researcher in the Division of Nephrology

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

01/2001 - Present American Society of Nephrology
01/2002 - Present American Society for Biochemistry and Molecular Biology

08/2004 - Present Cell Death Society
01/2006 - Present International Society of Nephrology
01/2010 - Present American Society of Hypertension

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
2002 - Present Ad Hoc Reviewer, Cancer Research Campaign, United Kingdom
12/2003 - Present Reviewer of Intramural Grant Proposals, Kansas University Medicine & Health Sciences
2003 - Present Ad Hoc Reviewer, R&D Office for the Health and Personal Social Services in Northern Ireland
2003 - Present Ad Hoc Reviewer, The Royal Hospital Trust, United Kingdom
2003 - Present Ad Hoc Reviewer, Health Research Board in Ireland (the main Ireland government agency for the support of health research)
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).
01/2004 - 12/2005 Member, ET-9 Advisory Board (Organizing committee for International Conference "Endothelin-9")
2004 - Present Ad Hoc Reviewer, Research Grants Council of Hong Kong
01/2005 - 10/2005 Abstract Reviewer, Ninth International Conference on Endothelin
01/2005 - 12/2005 Member, Local Organizing Committee, Ninth International Conference on Endothelin
03/2005 - 08/2005 Abstract Reviewer, Society for Free Radical Biology and Medicine
2006 - Present Ad Hoc Reviewer, Research and Development Office, Recognized Research Group Call 2005, Northern Ireland, Belfast
01/2007 - 08/2007 Member, American Heart Study Section, National Cardiorenal Peer Review Committee
01/2007 - Present Faculty Member, Pathophysiology of Chronic Kidney Disease section within the Nephrology specialty at Faculty of 1000 Medicine.
03/2008 - 09/2010 Abstract Reviewer, Annual Meeting of the Society for Free Radical Biology and Medicine (SFRBM) (2008-2011)
2010 - Present Medical College of Wisconsin Clinical and Translational Science Institute
2010 - Present Medical Research Council, United Kingdom
2010 - Present MCW Cancer Center
2011 - Present MCW Cancer Center
2013 - Present Panel member - Online Reviewer, Peer Reviewed Medical Research Program - Department of Defense Discovery-Internal Medicine
2013 - Present Panel member - Online Reviewer, Peer Reviewed Medical Research Program - Department of Defense Preapplication-Chronic Kidney Disease.
2013 - Present Panel Member - Teleconference Reviewer, Peer Reviewed Medical Research Program - Department of Defense. Chronic Kidney Disease
2014 - Present Panel Member - Teleconference Reviewer, Peer Reviewed Cancer Research Program - Department of Defense

RESEARCH GRANTS/CONTRACTS/AWARDS/PROJECTS:
Active
Peer Review
Title: Endothelin Signaling and Actions in Renal Mesangium
Source: NIH RO1DK098159
Role: Principal Investigator
- 09/20/2013 Dates: 9/20/2013 - 8/31/2017
Funds: $1, 331, 100 (total for all years)
Title: BK Virus Receptor and Polyomavirus Nephropathy
Source: NIH R21DK088018-01
Role: Principal Investigator
- 04/01/2011 Dates: 4/1/2011 - 3/31/2015
Funds: $420.750 (total for all years)
Title: Posttranslational regulation of Cox-2 activity in prostate cancers
Source: NIH/NCI 1RO3CA182114

Role: Principal Investigator
- 07/01/2014 Dates: 7/1/2014 - 6/30/2016
Funds: $153.000 (total for all years)
Title: Eicosanoids and resistance of prostate cancer cells to chemotherapeutic agents
Source: Fraternal Order of Eagles
Role: Principal Investigator
- 07/01/2010 Dates: 7/1/2010 - 6/30/2015
Direct Funds: $10, 000 (total direct cost for all years)
Pending
Peer Review
Title: Posttranslational regulation of Cox-2 activity in human cancers
Source: NIH/NCI 1R21CA195024
Role: Principal Investigator
- 07/01/2015 Dates: 7/1/2015 - 6/30/2017
Funds: $420, 750 (total for all years)
Status: Pending Council review
Title: Endothelin signaling and novel regulators of vascular tone
Source: NIH/NIDDK 1RO1DK106008
Role: Principal Investigator
- 07/01/2015 Dates: 7/1/2015 - 6/30/2020
Funds: $1, 875, 000 (total for all years)
Status: Pending IRG review
Prior
Peer Review
Title: Prostaglandins, The Kidney and Hypertension
Source: NIH (Dunn)
Role: Co-Principal Investigator
- 1994 Dates: 1994 - 1999
Direct Funds: $1, 280, 645 (total direct cost for all years)
Title: Eicosanoids & Platelet Activating Factor in Renal Injury
Source: NIH (Dunn)
Role: Co-Principal Investigator
- 1994 Dates: 1994 - 1999
Direct Funds: $675, 145 (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: Principal Investigator
Dates: July 1, 1995 - June 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: Principal Investigator
Dates: July 1, 1995 - June 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: Principal Investigator
Dates: July 1, 1998 - June 30, 1999
Direct Funds: $25, 000 (total cost for all years)
Title: Endothelin Signaling and Regulation of Protein Kinases
Source: NIH 5R01HL022563
Role: Principal Investigator
Dates: September 1, 2003 - August 30, 2009
Direct Funds: $1, 747, 250 (total 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: Sponsor
Dates: January 1, 2005 - December 31, 2007
Direct Funds: $ 110, 000
Title: Pyk2/Rap1 pathway in endothelin-1 signaling in renal mesangium
Source: American Heart, Greater Midwest Affiliate, 0525801Z, Postdoctoral Fellowship (applicant V. Petrukhina)
Role: Sponsor
Dates: July 1, 2005 - June 30, 2007
Direct Funds: $ 104, 000
INTERNATIONAL GRANT REVIEWING:
Title: Protein-protein interactions controlling Cox-2 function
Source: Faculty Research Inducement Grant of the Biotechnology and Bioengineering Center
Medical College of Wisconsin
Role: Principal Investigator
Dates: July 1, 2005 - June 30, 2006
Direct Funds: $13, 000
Title: Regulating Cerebrial Microcirculation by astrocytes
Source: NIH R01 HL33833 (Harder)
Role: Co-Investigator
Dates: April 1, 2005 - March 31, 2009
Direct Funds: $1, 400, 000 (total cost for all years)
Title: Vascular Signaling by Free Radicals
Source: NIH 1P01 HL 68769 (Harder)
Role: Co-Investigator
Dates: April 1, 2002 - March 31, 2007
Direct Funds: $1, 023, 495 (total direct cost for all years)
Title: Cellular and Molecular Mechanisms Regulating Nutritive Cerebral Blood Flow
Source: NIH 1P01HL 59996 (Harder)
Role: Co-Investigator
Dates: December 1, 2004 - November 30, 2009
Direct Funds: $1, 603, 050 (total direct cost for all years)
Title: Cellular Regulation of Prostaglandin Synthesis
Source: NIH RO1DK41684
Role: Principal Investigator
Dates: February 15, 2005 - November 30, 2011
Direct Funds: $1, 250, 000 (total direct cost for all years)
Title: Eicosanoids and resistance of prostate cancer cells to chemotherapeutic agents
Source: Wisconsin Breast Cancer Showhouse
Role: Principal Investigator
- 1 Dates: 1 March 2009 - February 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: Sponsor
Dates: July 1, 2010 - June 30, 2012
Direct Funds: $52, 000
Title: ?Pix and Sodium Readsorption
Source: Midwest Affiliate American Heart Association Postdoctoral Fellowship (Pavlov)
Role: Co-Sponsor
Dates: July 1, 2010 - June 30, 2012
Direct Funds: $100, 000
Title: BK virus entry pathways and prevention of polyomavirus nephropathy after renal transplantation
Source: Roche Organ Transplantation Research Foundation
Role: Principal Investigator
Dates: September 1, 2008 - February 1, 2014

Funds: $200, 000 (total direct cost for all years)
Title: Novel regulation of Cox-2 activity in prostate cancer
Source Advancing a Healthier Wisconsin Research and Education Program Funds
Role: Principal Investigator
Dates January 1, 2013 -December 31, 2013
Direct Funds: $30, 000
Title: Mitochondria-targeted Agents in Breast Cancer
Source: NIH RO1CA152810-01 (Kalyanaraman)
Role: Co-Investigator
Dates: July 14, 2010 - April 30, 2015
Funds: $1, 250, 000 (total direct cost for all years)
Title: Mitochondria-targeted Agents in Breast Cancer
Source: NIH R01DK052448 (Raymond)
Role: Co-Investigator
Dates: October 1, 2010 - August 13, 2014
Funds: $875, 000 (total direct cost for all years)
Non-Peer Review
Title: Cardiovascular Research Center Fellowship In Hypertension
Source: Department of Physiology, Medical College of Wisconsin
Role: Sponsor (applicant Patel)
Dates: December 1, 2001 - November 30, 2002
Direct Funds: $80, 000
Title: Cyclooxygenase-2 and apoptosis in prostate cancer
Source: MCW Prostate Cancer Research Program
Role: Principal Investigator
Dates: September 1, 2001 - August 30, 2003
Direct Funds: $100, 000
Title: Caveolae-associated BK virus infection of kidney cells
Source: Program Development Grant, Division Nephrology, Department of Medicine
Role: Principal Investigator
Dates: July 1, 2005 - June 30, 2007
Direct Funds: $100, 000

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:

Local

1. Invited Lecture. Medical College of Wisconsin, Department of Physiology, Milwaukee, Wisconsin (1997)
2. Cardiovascular Center Research Seminar. Medical College of Wisconsin, Cardiovascular Research Center, Milwaukee, Wisconsin (1998)
3. Protein tyrosine kinase Pyk2 mediates endothelin-induced p38 MAP kinase activation. Lecture at MCW Cancer Center Signaling and Gene Expression Group, Milwaukee, Wisconsin (2001)
4. Cyclooxygenase 2, Nitric Oxide Synthase and Apoptosis. Invited lecture. Medical College of Wisconsin, Department of Physiology, Milwaukee, Wisconsin (2001)
5. Endothelin signaling via adaptor protein p66 Shc. Lecture at MCW Cancer Center Signaling and Gene Expression Group, Milwaukee, Wisconsin (2001)
6. Cyclooxygenase 2 and apoptosis in prostate cancer. Lecture at MCW Cancer Center Prostate Cancer Research Group, Milwaukee, Wisconsin (2002)
7. Regulation of apoptosis by Cyclooxygenase-2. Lecture at Nephrology Research Conference, Department of Medicine, Medical College of Wisconsin (2002)
8. Endothelin signaling in glomerular mesangial cells. Invited presentation. Department Physiology Medical College of Wisconsin (2002).
9. The contributions of cyclooxygenase 2 to protection from cell death. Invited presentation at Cardiovascular Research Center, Medical College of Wisconsin (2002)
10. Pix, Pyk, Shc, Crk: Abracadabra of Endothelin signaling. Invited lecture at Cardiovascular Research Center seminar series, Medical College of Wisconsin (2003)
11. Cyclooxygenase-2: potential role in regulation of drug efflux and multidrug resistance phenotype. Lecture at SAGE meeting. Medical College of Wisconsin (2003)
12. Endothelin signaling and regulation of apoptosis. Invited Lecture. Department of Microbiology and

Molecular Genetics. Medical College of Wisconsin (2004).

13. Role of adaptor protein p66 Shc in endothelin signaling in renal mesangium. Lecture at Nephrology Research Conference, Division of Nephrology. Department of Medicine, Medical College of Wisconsin. (2004)
14. Signaling pathways regulating endothelin-mediated activation of the Ras- and Rho-families of small G proteins. Invited presentation. CVC - Herma Heart Center Research Day, Milwaukee, (March 2, 2005)
15. Mechanisms controlling activation of Ras, Cdc42 and Rap1 small G-proteins by Endothelin-1. Invited presentation. Cell Signaling Research Club, Medical College of Wisconsin, Milwaukee, (April 21, 2005)
16. Eicosanoids and resistance of cancer cells to apoptosis. Invited presentation, Nephrology Research Conference, Dept. Medicine, MCW, Milwaukee, July, 2006.
17. Endothelin signaling and Cox-2-mediated resistance cells to apoptosis. Invited lecture, Human and Molecular Genetics Center, MCW, Milwaukee, August, 2006.
18. p66 Shc signaling in kidney cells. Invited presentation. Cell Signaling Research Club
19. BK virus entry pathways and prevention of polyomavirus nephropathy after renal transplantation. Invited presentation. Nephrology Research Conference, MCW, Milwaukee, December 2007.
20. Endothelin-1signaling via GEFs C3G and BCAR3 in kidney glomerular cells. Invited presentation. Cell Signaling Research Club, MCW, Milwaukee, February, 2008
21. BK virus-induced signalling and entry pathways in renal tubular epithelial cells. Invited presentation. Cell Signaling Research Club, MCW, Milwaukee, November, 2008
22. ?Pix signaling: new pathways with new promise. Invited lecture. Cardiovascular Research Center Medical College of Wisconsin, Milwaukee, December 2008.
23. BK virus entry pathways. Invited lecture. Dept. of Microbiology and Molecular Genetics, MCW November 2009.
24. Eicosanoids and growth of cancer cells. Invited lecture. Inflammation and Cancer Cell Biology Research Group, MCW, December 2009.
25. Cellular regulation of prostaglandin synthesis. Invited presentation, Nephrology Research Conference Dept. Medicine, MCW, Milwaukee, March, 2010.
26. Endothelin signaling and hypertension induced nephropathy. Invited presentation. Hypertension Affinity Group. Cardiovascular Center, MCW, Milwaukee, March, 2010.
27. p66 Shc and Cox-2 - relevant targets for Zinc Finger Nucleases-mediated genome editing to study renal pathologies. Invited presentation. Stem Cells Affinity Group, Cardiovascular Center, MCW, Milwaukee June, 2010.
28. BK virus entry pathways in proximal tubular epithelial cells. Invited lecture. Solid Organ Transplant Center, MCW, Milwaukee, July, 2010.
29. Cellular Regulation of Prostaglandin Synthesis. Invited lecture. Inflammation and Cancer Cell Biology Research Group, MCW, October 2010.
30. Endothelin signaling and actions in renal mesangium. Lecture at Nephrology Research Conference, Department of Medicine, MCW, Milwaukee, March 2011
31. Role of p66 Shc in hypertension induced renal vascular dysfunction. Invited presentation. Hypertension Affinity Group, Cardiovascular Center, MCW, Milwaukee, June, 2011.
32. p66 Shc signaling and actions in the kidney. Invited lecture, Department of Physiology, MCW, October, 2011.
33. p66 Shc and renal microvascular function. Invited presentation, Nephrology Research Conference Dept. Medicine, MCW, Milwaukee, February, 2012.
34. p66 Shc restrains cellular contractility and promotes renal vascular dysfunction. Invited presentation. Hypertension Affinity Group, Cardiovascular Center, MCW, Milwaukee, November, 2012
35. Mechanisms of hypertension-induced renal vascular dysfunction. Nephrology Research Conference Dept. Medicine, MCW, Milwaukee, February, 2013.
36. Role of redox protein p66 Shc in renal pathologies. Redox Biology program, Department of Biophysics, MCW, Milwaukee, April 2013.
37. Post-translational regulation of Cox-2 activity in prostate cancer. Cancer Cell Biology Research Forum, MCW, October 2013.
38. Post-translational regulation of Cox-2 activity. Hypertension Affinity Group, Cardiovascular Center, MCW, Milwaukee, December, 2013
39. Prostaglandins and glomerulonephritis. Nephrology Research Conference Dept. Medicine, MCW, Milwaukee, February, 2014.

40. p66 Shc regulates vascular tone in hypertension-induced nephropathy. Hypertension Affinity Group, Cardiovascular Center, MCW, Milwaukee, December, 2014

Regional

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

National

1. EGF receptor signaling. Invited lecture. Memorial Sloan Kettering Cancer Center, New York
2. Activation of the EGF and FGF receptor. Invited lecture. Medical College of Georgia
3. Stabilization of an active dimeric form of the EGF receptor by introduction of an inter-receptor disulfide bond. Invited lecture. Yale University, New Haven
4. Stabilization of an active dimeric form of EGF receptor. Invited lecture. Case Western Reserve University, Cleveland
5. Stabilization of an active dimeric form of EGF receptor. Invited lecture. Georgetown University, Washington
6. Oligomerization and signaling by EGF and FGF receptor. Invited lecture. Medical College of Wisconsin, Department of Physiology, Milwaukee, Wisconsin (1995)
7. Northern Illinois University Invited Speaker Series, DeKalb, Illinois (1996)
8. 4th Winter Eicosanoid Conference 2002. Invited Talk. Eicosanoid & Atherogenesis Symposium. Baltimore, Maryland (March 2002).
9. Regulation of Endothelin signaling by protein-protein interactions. Invited Lecture. University of North Carolina, Chapel Hill, North Carolina (2002)
10. 5th Winter Eicosanoid Conference 2002. Invited Talk. Eicosanoid & Atherogenesis Symposium. Baltimore, Maryland (March 2003).
11. 7th Winter Eicosanoid Conference 2002. Invited Talk. Baltimore, Maryland (March 2005).
12. Mechanisms controlling activation of small G proteins by Endothelin-1. Invited Lecture. University of Michigan, Ann Arbor, (April 27, 2005)
13. Endothelin signaling and hypertension-induced nephropathy. Invited lecture. University of Toledo, Toledo, November 2009
14. Endothelin signaling and hypertension-induced nephropathy. Invited lecture. North Dakota State University, Fargo, February 2010.
15. Hypertension Induced Nephropathy. Invited lecture. Texas Tech University Health Science Center, Amarillo, March, 2010
16. Endothelin signaling and hypertension-induced nephropathy. Invited lecture. University of Alaska Anchorage, April 2010.
17. Endothelin signaling and hypertension-induced nephropathy. Invited lecture. University of Alaska Fairbanks, April 2010.
18. Endothelin signaling and hypertension-induced nephropathy. Invited lecture. Michigan State University, Lancing, April, 2010.
19. Endothelin signaling and hypertension-induced nephropathy. Invited lecture. University of Oklahoma, Oklahoma, May, 2010.
20. Endothelin signaling and Mechanisms of Renal Injury. Invited lecture. The City College of New York, The Sophie Davis School of Biomedical Education, July 2010.
21. Mechanisms of hypertension induced renal vascular dysfunction. St. John's University, Department of Pharmaceutical Sciences, New York, November 2012
22. Mechanisms of hypertension induced renal vascular dysfunction. Frank Reidy Research Center for Bioelectrics, Old Dominion University, Norfolk, January 2013
23. Mechanisms of hypertension-induced renal vascular dysfunction. Massachusetts Institute of Technology, Cambridge, MA, June 2013

International

2. Signaling by EGF receptor. Invited Lecture. Medizinische Universitats-Poliklinik, Bonn, Germany (1997)
1. Oligomerization and signaling by EGF and FGF receptor. Invited lecture. Leopold Franzens University of Innsbruck, Insbruck, Austria (1996)
3. Endothelin signaling and regulation of protein kinases. Invited lecture. University of Florence, Florence, Italy (2001)

4. Cyclooxygenase 2, regulation of NO production and apoptosis in cancer. Invited lecture. University of Florence, Florence, Italy (2001)
5. Regulation of endothelin signaling by adaptor proteins. Invited lecture. Institute of Cytology of the Russian Academy of Sciences, St. Petersburg, Russia (2002).
6. Overexpression of Cox-2 Inhibits apoptosis In PC12 cells and glomerular mesangial cells. Invited Lecture. Leopold Franzens University of Innsbruck, Innsbruck, Austria (2003)
7. ?Pix: multi-purpose guanine nucleotide exchange factor. Second Meeting of the Russian Society for Cell Biology. St Petersburg, - 16/10/7
8. Endothelin signaling and new approaches to genome editing. Institute of Cytology of the Russian Academy of Sciences, St Petersburg, - 03/2010
9. Mechanisms of hypertension-induced renal vascular dysfunction. University of Athens, Athens, Greece, October 2014.

International Moderator and Chair for Scientific Sessions:

1. Chair and moderator for the session on signaling pathways at International Conference "Endothelin-9"(Salt Lake City, UTA, USA, September 2005)
2. Co-Chair for the session Apoptosis/Molecular Oncology at 11th World Congress on Advances in Oncology and 9th International Symposium on Molecular Medicine 12-14 October, 2006, Creta Maris, Hersonissos, Crete, Greece
3. Chair and moderator for the session "Mechanisms of endothelin receptor function and signaling" at ET-10, the Tenth International Conference on Endothelin (Bergamo, Italy, September 16-19, 2007)
4. Chair and moderator for the session "Cellular regulation of the endothelin pathway" at ET-11, the Eleventh APS International Conference on Endothelin (Montreal, Canada, September 9-12, 2009).
5. Co-Chair for the symposium "Channelopathies in the kidney" at the 1st PanAmerican Congress of Physiological Sciences (Iguassu Falls, Brazil, August 2-6, 2014).

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

National

3. Staruschenko, A. and SOROKIN, A. Oral presentation. Topic: ?Pix and ENaC. ASN Annual Meeting 2009. San Diego, California, October 27-November 1, 2009.
1. Petrukhina V. and SOROKIN A. Oral Presentation. Topic: C3G. ASN Annual Meeting 2004.St. Louis, Missouri (October 2004)
2. Moryama T. and SOROKIN, A. Oral Presentation. Topic: BK virus. ASN National Meeting 2007, San Francisco, California (October 2007).

International

1. Foschi M. and SOROKIN, A. Oral Presentation. Seventh International Conference on Endothelin, Edinburgh

Park City, Utah, September 11-14, 2005.

3. Petrukhina V. and SOROKIN A. Oral presentation. Molecular mechanisms controlling activation of Rap1 by Endothelin-1 in human mesangial cells. Ninth International Conference on Endothelin. Endothelin-9, Park City, Utah, September 11-14, 2005

4. SOROKIN, A. and Roman R. Lecture. 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, Crete, Greece, 12-14 October, 2006
5. SOROKIN, A. Oral Presentation. Topic - C3G. Tenth International Conference on Endothelin. Endothelin-10. Bergamo, Italy, 16-19, 2007
6. SOROKIN, A. Oral Presentation. Topic: BK virus. American Transplantation Congress, Toronto, Canada (June 2008).
7. Staruschenko A, and SOROKIN A, Oral presentation. Topic: ENaC. Eleventh International Congress on Endothelin, Endothelin-11, Montreal, Canada 9-12 September, 2009.
8. SOROKIN A., Oral presentation. Topic - BK virus. Eleventh International Congress on Endothelin, Endothelin-11, Montreal, Canada 9-12 September, 2009.
9. SOROKIN A., Oral presentation. Topic - Post-translational regulation of Cox-2. 9th International Conference of Anticancer Research. Sithonia, Greece, 6-9 October, 2014
10. SOROKIN A., Oral presentation. Topic - Endothelin Signaling. 2nd International Conference on Endocrinology. Chicago, USA, 22-25 October, 2014.

2. Chahdi A. and SOROKIN A. Oral Presentation. Endothelin-1 induces ?1Pix translocation and Cdc42 activation via protein kinase A pathway. Ninth International Conference on Endothelin. Endothelin-9

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 - Present 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 - Present 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

MEDICAL COLLEGE TEACHING ACTIVITIES:

Graduate Student Education

1 - Present Advanced Molecular Genetics Course, 1997 Dept. Biochemistry, MCW; 3 hours teaching and exam questions
2 - Present Principles of Drug Action II: Intracellular Signaling, 1999 Dept. Pharmacology, MCW; 3 hours teaching and exam questions
3 - Present Membrane Biochemistry and Signal Transduction, 1999 Dept. Biochemistry, MCW; 3 hours teaching and exam questions
4 - Present Principles of Drug Action: Cellular Signal Transduction, 2001 Dept. Pharmacology, MCW; 3 hours teaching and exam questions
5 - Present Basic Science Curriculum, 2001-2003 Dept. Medicine, MCW (one lecture/year)
6 - Present Principles of Drug Action: Cellular Signal Transduction, 2002 Dept. Pharmacology, MCW; 3 hours teaching and exam questions
7 - Present Principles of Drug Action: Cellular Signal Transduction, 2004 Dept. Pharmacology, MCW; 3 hours teaching and exam questions
8 - Present Biochemistry of the Cell (Course # 16201), 2005 Interdisciplinary Graduate Program in Biomedical Science, MCW; 4 hours teaching and exam questions
9 - Present Cell Signaling Course, 2006 Dept. Pharmacology, MCW, 4 hours teaching and exam questions
10 - Present Mechanisms of Cellular Signaling, 2008, Dept. Pharmacology, MCW; 4 hours teaching and exam questions.
11 - Present Cellular Signal Transduction course, 2008, Dept. Pharmacology, MCW; 4 hours teaching and exam questions.
12 - Present Molecular Biology for Physiologists, 2009, Dept. Physiology, MCW; 4 hours teaching and exam questions.
13 - Present Molecular Biology for Physiologists, 2010, Dept. Physiology, MCW; 4 hours teaching and exam questions.
14 - Present Cellular Signal Transduction course, 2010, Dept. Pharmacology, MCW; 3 hours teaching and exam questions.

15 - Present Advanced Cellular Signal transduction course, 2012, Dept. Pharmacology, MCW; 4 hours teaching and exam questions
16 - Present Graduate Seminar (MMG 25300A Course), 2013, Dept. Microbiology, MCW.
17 - Present Advanced Cellular Signal Transduction course (Pharm 07224), 2014, Dept. Pharmacology, MCW
18 - Present Course MIMG Seminar, Fall 2014, Dept.Microbiology, MCW

EXTRAMURAL TEACHING:

Graduate Student Education

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

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

Medical Students

Andrew Chong, MCW, 10/2013 - 09/2015 Mentor for the Medical Student Research Program
Hector Lopez, MCW, 01/2015 - 12/2015 Mentor for the Medical Student Research Program

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

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. SOROKIN, A.B. Proliferation and DNA synthesis in a CHO-K1 cell culture with a varying serum concentration in the medium. Tsitologiya 23:468-472, 1981.
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.
5. Zenin V.V., Nikol'skii N.N., Scopicheva V.I., SOROKIN, A.B. Dependence of 3T6 cell proliferation on the serum concentration in the medium. Tsitologiya, 24: 947-953, 1982.
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.
7. Barkan R.S., Zenin V.V., Scopicheva V.I., SOROKIN, A.B. Effect of cultivation conditions on the growth properties of Swiss 3T3 cells. Tsitologiya, 26:1161-1167, 1984.
8. Nikol'skii N.N., Barkan R.S., Bogdanova N.P., Vinogradova N.A., SOROKIN, A.B. Amine inhibition of serum-induced DNA synthesis in 3T3 and 3T6 cell cultures. Tsitologiya, 27: 451-457, 1985.
9. Sorkin A.D., Bogdanova N.P., Nikol'skii N.N., SOROKIN, A.B. Effect of amines on the pH in the lysosomes of 3T3 cells. Tsitologiya, 27: 203-208, 1985.
10. Scopicheva V.I., Scopichev V.G., SOROKIN, A.B., Nikol'skii N.N. Changes in the surface topography of 3T3 cells as affected by epidermal growth factor and insulin. Tsitologiya, 28:1316-1321, 1986.
11. Scopicheva V.I., Scopichev V.G., SOROKIN, A.B Characteristics of the surface topography of Swiss 3T3 cells with altered proliferative activity. Tsitologiya, 28: 687-692, 1986.
12. Gudkova D.A., SOROKIN, A.B. Dependence of the proliferation of cell line 3T6 on a totally serum-free medium on epidermal growth factor. Tsitologiya, 29: 1309-1313, 1987.
13. Nesterov A.M., Vinogradova N.A., Kudriavtseva N.V., Sorkin A.D., SOROKIN, A.B. Effect of dansylcadaverine on the epidermal growth factor-stimulated phosphorylation of uridine. Tsitologiya, 29: 1020-1026, 1987.
14. Nesterov A.M., SOROKIN, A.B., Okulova A.N., Nikol'skii N.N. Comparison of the effect of the epidermal growth factor (EGF) and its cyanogen bromide derivative on EGF receptor phosphorylation and uridine uptake in a cell culture. Tsitologiya, 29: 911-916, 1987.
15. Gracheva N.I., Pereverzev A.E., SOROKIN, A.B. Effect of the epidermal growth factor on the repopulation of bone marrow CFU-Cs following radiation thermal injury. Meditsinskaia Radiologiia, 32: 76-77, 1987.
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.
17. Romanov V.I., SOROKIN, A.B., Nesterov A.M., Komissarchik I.Y. Ultrastructural changes in the plasma membrane of A-431 cells exposed to epidermal growth factor. Tsitologiya, 30: 34-38, 1988.
18. Kornilova E.S., Bobrova I.F., Nesterov A.M., Nikol'skii N.N., SOROKIN, A.B. Demonstration of an intact complex of epidermal growth factor and its receptor in the endosomes of A-431 cells. Tsitologiya, 30:291-298, 1988.
19. Gracheva N.I., Zhestianikov V.D., Bil'din V.N., Pereverzev A.E., SOROKIN, A.B. Epidermal growth factor with insulin used for stimulation of exogenous colony formation in the spleen of mice irradiation with lethal doses of x-rays. Tsitologiya, 30: 58-61, 1988.
20. Sorkin A., Kornilova E., Teslenko L., SOROKIN, A., Nikolsky N. Recycling of epidermal growth factor-receptor complexes in A431 cells. Biochemica et Biophysica Acta, 1011: 88-96, 1989.
21. Khrebtukova I.A., Nikol'skaia A.N., Sorkin A.D., SOROKIN, A.B Pinaev G.P. The capping of receptors for the epidermal growth factor and the participation of the cytoskeleton in this process in A-431 cells. Tsitologiya, 31: 1211-1220, 1989.
22. Gudkova D.A., SOROKIN, A.B. Cell strains of A431 epidermoid carcinoma with altered epidermal growth factor reception. Tsitologiia, 31: 319-323, 1989.
23. Sorkin A.D., Bogdanova N.P., SOROKIN, A.B., Teslenko L.V., Nikol'skii N.N. The recycling of EGF-receptor complexes in A431 cells. Tsitologiya, 31: 300-311, 1989.
24. SOROKIN, A.B., Nesterov A.M., Sorkin A.D., Ignatova T.N., Galactionov K.I. Isolation and characterization of monoclonal antibodies to the external domain of the EGF receptor in human A431

epidermoid carcinoma. Tsitologiya, 31: 549-555, 1989.
25. SOROKIN, A.B., Romanov V., Reshetnikova, G.F., Nesterov A.M., and Nikolsky N.N. Immunocytochemical location of EGF receptors in A 431 cells. Cell Differentiation and Development 27: Suppl.34: 3-8.
26. Ronnstrand L., SOROKIN, A.B., Engstrom U., Heldin C.H. Characterization of the platelet-derived growth factor beta-receptor kinase activity by use of synthetic peptides. Biochemical Biophysical Research Communications, 167: 1333-1340, 1990.
27. SOROKIN, A.B., Reshetnikova G.F., Kudryavtseva N.V., Nikolsky N.N. Epidermal growth factor induces tyrosine phosphorylation of epidermal growth factor receptors not occupied with ligand in intact A431 cells. Febs Letters, 268: 121-124, 1990.
28. SOROKIN, A.B., Gudkova D.A., Kudriavtseva N.V., Nikol'skii N.N. The ligand-dependent phosphorylation of epidermal growth factor receptors and the production of a secreted form of the receptor by cell strains of A-431 epidermoid carcinoma. Tsitologiya, 32: 1026-1030, 1990.
29. Khrebtukova I.A., Kwiatkowska K., Gudkova D.A., SOROKIN, A.B., Pinaev G.P. The role of microfilaments in the capping of epidermal growth factor receptor in A431 cells. Experimental Cell Research, 194: 48-55, 1991.
30. SOROKIN, A.B., Alexandrov K.E., Vinogradova N.A., A.M. Nesterov, N.N.Nikolsky. The obtaining and characteristics of polyclonal antibodies to a treonine-containing site of the EGF receptor cytoplasmic domain. Tsitologiya, 35: 68-72, 1993.
31. Mohammadi M., Honegger, A., SOROKIN, A., Ullrich, A., Shlessinger J., Hurwitz D.R. Aggregation-induced activation of the Epidermal Growth Factor receptor protein tyrosine kinase. Biochemistry, 1993, 32, 8742-8748.
32. SOROKIN, A., Lemmon, M.A., Ullrich, A., and Schlessinger J. Stabilization of an active dimeric form of the EGF receptor by introduction of an inter-receptor disulfide bond. J.Biol.Chem. 1994, 269, 9752-9759.
33. SOROKIN, A., Mohammadi, M., Huang, J., and Schlessinger, J. Internalization of Fibroblast Growth Factor Receptor is inhibited by a point mutation at tyrosine 766. J.Biol.Chem. 1994, 269, 17056-17061.
34. Schramek, H., SOROKIN, A., Watson, R.D., and Dunn, M.J. ET-1 and PDGF BB induce MEK mRNA and protein expression in mesangial cells. J. Cardiovasc. Pharmacol. 1995, 26(Suppl.3):S95-S99.
35. SOROKIN, A. Activation of EGF receptor by insertional mutations in juxtamembrane regions. Oncogene 1995, 11:1531-1540.
36. Bokemeyer D., SOROKIN, A., Yan M., Ahn, N.G., Templeton, D., and Dunn M.J. Induction of the Dual Specificity Phosphatase MKP-1 by SAPK Signaling pathway but not by ERK. J.Biol.Chem. 1996, 271:639-642.
37. Schramek H., SOROKIN, A., Watson R.D., and Dunn, M. Differential Long-term regulation of mitogen-activated protein kinase kinase (MAPKK or MEK) and of p42 MAPK in rat glomerular mesangial cells. American J. Physiol., 1996, 270:C40-C48.
38. Mohammadi M., Dikic, I., SOROKIN, A., Burgess, W.H., Jaye, M., and Schlessinger, J. Identification of six novel autophosphorylation sites on Fibroblast Growth Factor Receptor-1 and elucidation of their importance in receptor activation and signal transduction. Mol.Cell.Biol. 1996, 16: 977-989.
39. Bokemeyer D., SOROKIN, A., and Dunn, M.J. The dual specificity protein-tyrosine phosphatases CL100, B23 and PAC1: Differential regulation and expression. J.Amer. Soc. Nephrol. 1997, 8: 40-50.
40. Bokemeyer, D., Guglielmi, K.E., McGinty, A., SOROKIN, A., Lianos, E.A., and Dunn, M.J. Activation of extracellular signal-regulated kinase in proliferative glomerulonephritis in rats. Journal. Clinical. Investigat. 100: 582-588. 1997
41. Foschi M., Chari, S., Dunn, M.J., and SOROKIN, A., Biphasic activation of p21ras by endothelin-1 sequentially activates the ERK cascade and phosphatidylinositol 3-kinase. EMBO J. 16:6439-6451, 1997.
42. SOROKIN, A., Reed, E., Nkemere N., Dulin N.O., and Schlessinger J., Crk Protein Binds to PDGF Receptor and Insulin Receptor Substrate-1 with Different Modulating Effects on PDGF- and Insulin-dependent Signaling Pathways. Oncogene, 16:2425-2434, 1998.
43. SOROKIN, A., and Reed A. Insulin stimulates the tyrosine dephosphorylation of docking protein p130cas (Crk-associated substrate), promoting the switch of the adaptor protein Crk from p130cas to newly phosphorylated insulin receptor substrate-1. Biochemical J. 334:595-600, 1998.
44. Bokemeyer, D. Guglielmi, K.E., McGinty, A., SOROKIN, A., Lianos E.A., and Dunn M.J. Different activation of mitogen-activated protein kinases in experimental proliferative glomerulonephritis. Kidney International, 54: S-189-S-191, 1998
45. Bokemeyer, D., SOROKIN, A., Dunn, M.J., Meyer-Lehnert H., and Kramer, H.J. Intrazellulare

Signaltransduktion durch mitogen-aktivierte Proteinkinasen. Nieren- und Hochdruckkrankheiten, 27:67-74, 1998
46. Dulin, N.O., SOROKIN, A., Douglas, J.C. Arachidonate-induced tyrosine phosphorylation of epidermal growth factor receptor and Shc-Grb2-Sos association. Hypertension, 32:1089-1093, 1998.
47. Dulin, N.O., SOROKIN, A., Reed, E., Elliott, S., Kehrl, J.H., and Dunn, M.J. RGS3 inhibits G protein - mediated signaling via translocation to the membrane and binding to G?11. Mol. Cell. Biol. 19:714-723, 1999.
48. McGinty A., Chang Y.-W. SOROKIN, A., Bokemeyer D., and Dunn M.J. Cyclooxygenase II expression inhibits trophic withdrawal apoptosis in nerve growth factor differentiated PC12 cells. J. Biol. Chem. 275:12095-12101, 2000
49. Chang, Y.W., Jakobi, R. McGinty, A., Foschi, M., Dunn, M.J. and SOROKIN, A. Cycooxygenase-2 promotes cell survival by stimulation of Dynein Light Chain Expression and inhibition of neuronal nitric oxide synthase activity. Molec. Cell. Biol. 20:8571-8579, 2000
50. McGinty, A., Foschi, M., Chang, Y.W., Han, J., Dunn, M.J. and SOROKIN, A. Induction of Prostaglandin Synthase-2 by Mitogen-Activated Protein Kinase Cascades. Biochem. J., 352:419-424, 2000
51. SOROKIN, A., Kozlowski, P., Graves, L., and Philip, A. Protein tyrosine kinase Pyk2 mediates endothelin-induced p38 MAP kinase activation in glomerular mesangial cells. J. Biol. Chem. 276:21521-21528, 2001
52. Foschi, M., Franchi, F., Han, J., La Villa, G., and SOROKIN, A. Endothelin-1 Induces Serine Phosphorylation of the adaptor protein p66Shc and its Association with 14-3-3 Protein in Glomerular Mesangial Cells. J. Biol. Chem. 276:26640-26647, 2001
53. Foschi, M., SOROKIN, A., Pratt, P. McGinty, A., La Villa, G., Franchi, F., and Dunn M.D. PreproEndothelin-1 expression in human mesangial cells: evidence for a p38 mitogen activated protein kinase/Protein kinases-C dependent mechanism. J. Amer. Soc. Nephrol., 12:1151-1163, 2001
54. Patel, V., M. Dunn and SOROKIN, A. Regulation of MDR-1 (P-glycoprotein) by cyclooxygenase-2. J. Biol. Chem., 277:38915-38920, 2002
55. SOROKIN, A., Foschi, M. and Dunn, M.J. Endothelin signalling and regulation of protein kinases in glomerular mesangial cells. Clinical Science 103 (Suppl. 48), 132S-136S, 2002
56. Miller, B., Chang Y.-W.E. and SOROKIN, A. Cyclooxygenase 2 Inhibits SAPK activation in neuronal apoptosis. Biochem. Biophys. Res. Comm. 300:884-888, 2003
57. Ishaque, A., Dunn M.J. and SOROKIN, A. Cyclooxygenase-2 inhibits TNF?-mediated apoptosis in renal glomerular mesangial cells. J. Biol. Chem., 278: 10629-10640, 2003.
58. Prosser, S., Sorokina, E., Pratt, P., H. and SOROKIN, A. CrkIII: A novel and biologically distinct member of the Crk family of adaptor proteins. Oncogene, 22:4799-4806, 2003.
59. Pratt, P.P., Bokemeyer, D., Foschi, M., SOROKIN, A., and Dunn, M.J. Alterations In subcellular localization of p38 MAPK potentiate endothelin-stimulated COX-2 expression in glomerular mesangial cells. J. Biol. Chem., 278: 51928-51936, 2003.
60. Chahdi, A., SOROKIN, A., Dunn, M.J. and Landry Y. The Rac/Cdc42 guanine nucleotide exchange factor b1Pix enhances mastoparan-activated Gi-dependent pathway in mast cells. Biochem Biophys Res Commun. 317:384-389. 2004
61. Jiang, J., Borisenko, G.G., Osipov, A., Martin, I., Chen, R., Shvedova, A.A., SOROKIN, A., Tyurina, Y.Y., Potapovich, A., Tyurin, V.A., Graham, S.H., and Kagan, V.E. Arachidonic Acid-Induced Carbon-centered Radicals and Phospholipid Peroxidation in Cyclooxygenase-2 transfected PC12 cells. J Neurochem. 90:1036-1049; 2004.
62. Chahdi, A., Miller, B. and SOROKIN, A. Endothelin 1 induces ?1Pix translocation and Cdc42 activation via protein kinase A-dependent pathway. J Biol Chem. 280: 578-584; 2005
63. Zhao, Q., Shepherd, E., Manson, M., Nelin, L., SOROKIN, A., and Liu Y. The role of mitogen-activated protein kinase phosphatase-1 in the response of alveolar macrophages to lipopolysaccharide: Attenuation of proinflammatory cytokine biosynthesis via feedback control of p38. J Biol Chem. 280:8101-8108, 2005
64. Chahdi, A., and SOROKIN, A. Endothelin-1 stimulates ?1Pix-dependent activation of Cdc42 through G?s-pathway. Exp. Biol. Med. 231:761-765, 2006
65. Rufanova V. and SOROKIN, A. CrkII Associates with BCAR3 in Response to Endothelin-1 in Human Glomerular Mesangial Cells. Exp. Biol. Med. 231:752-761, 2006
66. Miller, B., Patel, V. and SOROKIN, A. COX-2 rescues rat mesangial cells from apoptosis induced by adriamycin via upregulation of MDR1 (P-glycoprotein). J Am Soc Nephrol. 17:977-985, 2006
67. Huh, J., Liepins, A., Zielonka J., Andrekopoulos, C., Kalyanaraman, B., and SOROKIN, A. Cyclooxygenase

2 rescues LNCaP prostate cancer cells from sanguinarine induced apoptosis by mechanism involving inhibition of nitric oxide synthase activity. Cancer Research, 66:3726-3736, 2006
68. Sarközi, R., Miller, B., Pollack, V., Feifel, F., Mayer, G., SOROKIN, A. and Schramek, H. ERK1/2-driven and MKP-mediated inhibition of EGF-induced ERK5 signaling in human proximal tubular cells. J. Cellul. Physiol. 211: 88-100, 2007
69. Yang, C., Patel, K., Harding, P., SOROKIN, A., Glass WF 2nd. Regulation of TGF-beta1/MAPK-mediated PAI-1 gene expression by the actin cytoskeleton in human mesangial cells. Exp.Cell Res. 313:1240-1250, 2007
70. Moriyama, T., Marquez, J.P., Wakatsuki, T and SOROKIN, A. Caveolar endocytosis is critical for BK virus infection of human renal proximal tubular epithelial cells. J.Virol. 81:8552-8562, 2007
71. Moriyama, T. and SOROKIN, A. Intracellular trafficking pathway of BK virus in human renal proximal tubular epithelial cells. Virology, 371:336-349, 2008
72. Chahdi, A., and SOROKIN, A. PKA-dependent phosphorylation modulates ?1Pix-GEF activity through 14-3-3? binding. Molec. Cell. Biol.28:1697-1687, 2008
73. Moriyama, T. and SOROKIN, A. Repression of BK virus infection of human renal proximal tubular epithelial cells by pravastatin. Transplantation. 85:1311-1317, 2008
74. Chahdi, A. and SOROKIN, A. Endothelin-1 couples ?Pix to p66Shc: Role of ?Pix in Cell Proliferation through FOXO3a phosphorylation and p27kip1 Down-regulation Independently of Akt. Molec. Biol. Cell 19:2609-2619, 2008.
75. Rufanova V.A., Lianos, E, Alexanian, A., Sorokina, E., Sharma, M., McGinty, A and SOROKIN, A. C3G overexpression in glomerular epithelial cells in anti-GBM glomerulonephritis. Kidney International, 75:31-40, 2009.
76. Rufanova V.A., Alexanian, A., Wakatsuki, T., Lerner A., and SOROKIN, A. Pyk2 mediates Endothelin-1 signaling via p130Cas/BCAR3 Cascade and regulates human glomerular mesangial cell adhesion and spreading. J. Cell Physiol., 219:45-56 2009.
77. Rufanova V.A., Alexanian, A., Wakatsuki, T. and SOROKIN, A. Pyk2 controls filamentous actin formation in human glomerular mesangial cells via modulation of profilin expression. Cell Health and Cytoskeleton, Open Access Free Article, 2009. http://www.dovepress.com/3254.t241782
78. Alexanian A., Rufanova V.A., Miller, B., Flasch, A., Roman, R., and SOROKIN,A . Down-regulation of 20-HETE Synthesis and Signaling Inhibits Renal Adenocarcinoma Cell Proliferation and Tumor Growth. Anticancer Research 29:3819-3824, 2009.
79. Chahdi, A. and SOROKIN, A. Endothelin-1 induces p66 Shc activation through EGF receptor transactivation: Role of ?1Pix/G?i3 interaction. Cellular Signal. 22:325-329, 2010 http://dx.doi.org/10.1016/j.cellsig.2009.09.039
80. Chahdi, A. and SOROKIN, A. The role of ?1Pix/caveolin-1 interaction in endothelin signaling through G? subunits. Biochem. Biophys. Res. Commun., doi:10.1016/j.bbrc.2009.12.041, 391:1330-1335, 2010.
81. Pavlov T.S., Chahdi A., Vachugova D.V., Levchenko V., Vandewalle A., Pochynyuk O., SOROKIN, A. * and Staruschenko A*. Endothelin-1 regulates the epithelial Na+ channel via ?Pix/14-3-3/Nedd4-2 complex. * co-corresponding author. JASN, 21:833-843, 2010.
82. Rufanova V. A., Alexanian A., Ostendorf T., Bokemeyer D., Prosser S., Miller B. and SOROKIN, A. Endothelin signaling via guanine exchange factor C3G in renal glomerular mesangial cells. Can. J. Physiol. Pharmacol., 88:808-816, 2010
83. Yang, C., and SOROKIN, A. Upregulation of fibronectin expression by COX-2 is mediated by interaction with ELMO1. Cellular Signal. 23: 99-104, 2011 http://www.ncbi.nlm.nih.gov/pubmed/20732417
84. SOROKIN, A. Complexity of IFN? signaling gets another twist. Cell Cycle, 10:1-2, 2011.
85. Alexanian A., Miller, B., Roman, R., and SOROKIN, A . 20-HETE producing enzymes are up-regulated in human cancers. Cancer Genom. & Proteom. 9:163-169, 2012.
86. Pavlov T.S., Levchenko, V., O'Connor, P.M., Ilatovskaya, D.V., Palygin, O., Mori, T., Mattson, D.L., SOROKIN, A., Lombard, J.H., Cowley, Jr. A.W., and Staruschenko, A. EGF deficiency in the renal cortex contributes to salt-sensitive hypertension via upregulation of ENaC activity. JASN, 24: 1053-1062, 2013
87. Yang, C., Chen, C. and SOROKIN, A. Prostaglandin E2 modifies SMAD2 and promotes SMAD2- SMAD4 complex formation. Prostaglandins Leucotrienes and Essential Fatty Acids, 5:145-149, 2014.
88. Alexanian, A., Miller, B., Chesnik, M., Mirza, S., and SOROKIN, A. Post-translational regulation of COX2 activity by FYN. Oncotarget, 5: 4232-4243, 2014.

Books, Chapters, and Reviews

1. SOROKIN, A.B., Nikol'skii N.N. Epidermal growth factor: membrane reactions and intracellular processing. In Biological membranes and membrane active agents FAN, Tashkent, 1985, (in Russian).
2. Nikolskii N.N., Sorkin A.D. SOROKIN, A.B. Epidermal Growth Factor. Nauka, 1987, 200 pages.
3. Bokemeyer D., SOROKIN, A., and Dunn, M.J. Multiple intracellular MAP kinase signaling cascades. Kidney International, 1996, 49:1187-1198.
4. SOROKIN, A. and Kohan, D. Physiology and pathology of endothelin-1 in the renal mesangium. AJP: Renal Physiology, Am. J. Physiol. Renal Physiol. 285: F579-F589, 2003.
5. SOROKIN, A. Cyclooxygenase-2: potential role in regulation of drug efflux and multiudrug
6. resistance phenotype. Curr. Pharm. Des. 10: 647-657, 2004.
7. Moriyama, T. and SOROKIN, A. BK Virus (BKV): Infection, Propagation, Quantitation, Labeling, and Analysis of Cell Entry in Current protocols in Cell Biology, 26.2.1-26.2.13, 2009
8. SOROKIN, A. "Endothelin Signaling and Actions in the Renal Mesangium" in Contributions to Nephrology, Barton M, Kohan DE (eds): Endothelin in Renal Physiology and Disease, Contrib. Nephrol. Basel, Karger, 173:50-62, 2011
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/glomerulonephritis-and-cellular-regulation-of-prostaglandin-synthesis
10. Staruschenko A. and SOROKIN, A.Role of ?Pix in the kidney. Front Physiol., 3:154, 2012.
11. Alexanian, A. and SOROKIN, A. Targeting 20-HETE producing Enzymes in Cancer - Rationale, Pharmacology and Clinical Potential. OncoTargets and Therapy, 6:243 - 255, 2013.
12. SOROKIN, A. and Staruschenko A. "Inhibition of ENaC by Endothelin-1" in "Hormones & Transport Systems" published in the series "Vitamins and Hormones", Academic Press/Elsevier. In press, 2015.
13. SOROKIN, A. and Barton M. "Endothelin and the Glomerulus in Chronic Kidney Disease" in Seminars in Nephrology. In press, 2015.
14. Abstracts (not shown)
15. Numerous abstracts have been published in years from 1980 to present.