

DEVELOPING BIOSKETCHES



Biosketches

A biosketch is a faculty member's curriculum vitae presented in a specified format

BIOGRAPHICAL SKETCH			
NAME	POSITION/TITLE	DEGREE	YEAR(S)
William H. Scott	Professor and Vice Chair of Pediatrics, Chief, Division of Pediatric Cardiology	BA	1974-1977
aka COORDINATOR (USER NAME) (optional, e.g., Agency Email)	Vanderbilt University School of Medicine	MD	1977-1981
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing and include postdoctoral training)			
INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY
University of Virginia, Charlottesville, VA	BA	1974-1977	Biology/Physiology
University of Virginia, School of Medicine	MD	1977-1981	Medicine

A. Personal Statement
My laboratory efforts have concentrated on delineating the molecular basis of vascular development in the mammalian embryo as an approach to understanding the etiology of congenital heart diseases and this laboratory has served as venue for training several graduate students and post-doctoral fellows, most of which have remained in academic medicine. I have maintained continuous NIH funding for almost 20 years and I have participated as a member of the NIH CVA ICDD study section. I have served as Chair of the National and Southeast Regional Cardiovascular Development Study Sections for the AHA. I have also participated in numerous special program project review panels and was PI of the SCOR in Pediatric Cardiovascular Disease at the Children's Hospital of Philadelphia. I am currently a member of the National AHA Research Committee. In addition, I have maintained an active clinical practice in Pediatric Cardiology and have been heavily involved in the development of Physician's Scientists for a large part of my career. I served as the Co-Director of Cardiovascular Research at the Children's Hospital and as Vice Chair for Research at Vanderbilt. I am currently a member of the Faculty Advisory Committee for the MSTP training program at Vanderbilt and a member of the Scientific Board of the Sanford Foundation, and organization dedicated to support and development of physician research careers in cardiovascular medicine. I was a member of the NHLBI Task force on Research in Pediatric Cardiovascular Disease (2003-2005), the Valvular and Congenital Diseases Working Group of the NHLBI Strategic Planning Effort (7/06). As Chief of the Division of Pediatric Cardiology and Co-Director of the Pediatric Heart Institute at Vanderbilt since 2004, I participated in the ACC/AHA/AAP Committee to Develop Training Recommendations for Pediatric Cardiology (2005) and I have lead the development of an academic fellowship program that is described in this proposal and is now beginning to show success in cultivating young academic faculty Pediatric Cardiology. I believe these experiences provide a solid for me to serve as Director of the proposed training program.

B. Positions and Honors
Postgraduate Training and Fellowship Appointments: 1982 Intern Resident in Psychiatry, University of Virginia, Charlottesville, VA; 1982-86 JCL-PJ-3, Sr. Chief Resident Pediatrics, Strong Memorial Hospital, University of Rochester, Rochester, NY; 1986-89 Research Fellow, Pediatric Cardiology, University of Iowa, Iowa City, IA; 1987-90 Post-Doctoral Research Scientist with Michael Solunk, Ph.D. Dept. of Biol. Univ. IA
Faculty Appointments: 1985-86 Clinical Instructor, Pediatrics, Strong Memorial Hospital, Univ. of Rochester; 1988-89 Fellow Associate and Associate, Division of Pediatric Cardiology, University of Iowa Hospitals; 1990-99 Assistant Professor of Pediatrics, Dept. of Pediatrics, Univ. of Penn. School of Med. and Adjunct Assistant Professor, Wistar Institute, Philadelphia, PA.; 1999-2002 Associate Professor of Pediatrics, Dept. of Pediatrics, Univ. of Penn. School of Med. and Adjunct Associate Professor, Wistar Institute, Philadelphia, PA; 2002 - Present, Professor of Pediatrics, Cell and Developmental Biology, 2002-2007 Vice-Chair for Laboratory Sciences, Dept. of Pediatrics, Vanderbilt University Medical School, Nashville, TN; 2004-Present, Chief, Division of Pediatric Cardiology and, Co-Director of the Pediatric Heart Institute, Department of Pediatrics, Vanderbilt University Medical Center, Monroe Carell Jr. Children's Hospital at Vanderbilt.
Specialty Certification: 1987 American Board of Pediatrics; 1992 Card. (Recert. 4/99, 10/07)
Awards and Honors: 9/74-5/77 Echoe Scholar, University of Virginia; 10/87 First Place Young Investigators Competition, AHA; Section of Pediatric Cardiology, 7/88-6/93 NIH-NHLBI PhysicianScientist Award; 3/99 ACC/ASA Travel Award 5/91 Faculty Research Achievement Award, Joseph Stokes Institute, The Children's Hospital of Philadelphia (CHOP); 4/95 John Nisland Memorial Lectureship, C.S. Mott Children's Hospital; April, 1996, 7/96-6/00 Established Investigator Award, AHA; 7/96-6/99 Foerderer Fund for Excellence in Research

About Biosketches

Biosketches highlight key personnel and other significant contributors' relevant experience and/or qualifications

Biosketches are specific to a proposed project

BIOGRAPHICAL SKETCH

Provide the following information for the Secretary personnel and other significant contributors in the order listed on Form Page 2. Follow the format for each person. DO NOT EXCEED FOUR PAGES.

NAME James Ashmore Johns, M.D.		POSITION TITLE Professor of Pediatrics Pediatric Cardiology Training Program Director	
PI/ COPIES/PI USER NAME (optional, e.g., Agency logo) JOHNJA1			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and postdoctoral fellow appointments)			
INSTITUTION AND LOCATION	DEGREE	MMYY	FIELD OF STUDY
Vale University, New Haven, CT	BS	06/73-06/76	Engineering and Applied Science
Vanderbilt University, Nashville, TN	MD	06/76-05/80	Medicine
University of Wisconsin Hospital and Clinics, Madison, WI	Residency	06/90-06/93	Pediatrics
University of Wisconsin Hospital and Clinics, Madison, WI	Chief Residency	07/83-06/84	Pediatrics
Vanderbilt University, Nashville, TN	Fellow	05/84-06/87	Pediatric Cardiology

A. Personal Statement

I have a long-standing interest in training of physician-scientists in pediatric cardiovascular disease, having been on the faculty of the Division of Pediatric Cardiology at Vanderbilt for over 20 years. During that time, I have been involved in the training of over 35 pediatric cardiologists.

My own training in basic research was supported by an individual NRSA F32 training grant from 1985 to 1987, as well as a K11 award for investigation of calcium currents and intracellular calcium concentrations in smooth muscle from 1987 to 1992. I was an investigator on 2 projects in the PO1 Program Project Grant, "Mechanisms of action of antiarrhythmic drugs," from 1992 to 1996.


Since 1996, my research has been primarily clinical. I have been an investigator on multicenter trials of steroid eluting epicardial pacing leads, disopyridine in patients with systemic to pulmonary artery shunts, cannulated in pediatric congestive heart failure, monoclonal antibodies for prevention of respiratory syncytial virus in infants with congenital heart disease, and losartan for patients with Marfan Syndrome.

Since 2002, I have been the program director for the Vanderbilt Pediatric Cardiology Training Program. I have served as the primary clinical mentor for 10 of the trainees and as the research mentor for 2 trainees. During my tenure as program director, 10 of the 16 entering fellows have undertaken the MSCCI program or are currently considering it. All 6 graduates of the program in the past 3 years are currently in academic positions, and 5 of them have MSCCI degrees. All trainees who have enrolled in the MSCCI program have graduated.

This proposal will allow continuation of our successful pilot program that has integrated 2 to 2½ years of intensive research training in basic or translational research with 1½ to 2 years of clinical training in a 4-year combined training program.

About Biosketches

Biosketches must follow the guidelines of the sponsor



U.S. Department of Health and Human Services
Public Health Service
Grant Application (PHS 398)

Instructions for PHS 398
Rev. 06/2009

Form Approved Through 06/30/2012
OMB No. 0925-0001



Biosketch Purpose

The purpose of the biosketch is to demonstrate that the PI and staff have enough experience to execute the research plan



Biosketches

Each Key Person and Other Significant Contributor will have a biosketch that must be sent to the sponsor

A biosketch is required for all people who play a substantive role in the project

A biosketch is needed even if someone has no effort on the project and isn't being paid from the project

You will need a biosketch for consultants and most technical staff

There is a four-page limit to biosketches



Major Sections

BIOGRAPHICAL SKETCH
Provide the following information for the Senior Key personnel and other significant contributors in the order listed on Form Page 2. Provide this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME		POSITION TITLE		
ORCID iD (if available)				
EDUCATION/Training (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training, if applicable.)		DEGREE	MAJOR	FIELD OF STUDY
INSTITUTION AND LOCATION		IF APPLICABLE		

NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions below.

A. Personal Statement
Briefly describe why your experience and qualifications make you particularly well-suited for your role (e.g., PD/PI, mentor, participating faculty) in the project that is the subject of the application.

B. Positions and Honors
List in chronological order previous positions, concluding with the present position. List any honors. Include present membership on any Federal Government public advisory committee.

C. Selected Peer-reviewed Publications
NIH encourages applicants to limit the list of selected peer-reviewed publications or manuscripts in press to no more than 15. Do not include manuscripts submitted or in preparation. The individual may choose to include selected publications based on recency, importance to the field, and/or relevance to the proposed research. When citing articles that fall under the Public Access Policy, were authored or co-authored by the applicant and arose from NIH support, provide the NIH Manuscript Submission reference number (e.g., NIHMS97931) or the PubMed Central (PMC) reference number (e.g., PMC1234567) for each article. If the PMCID is not yet available because the journal submits articles directly to PMC on behalf of their authors, indicate "PMC Journal - In Process." A list of these Journals is posted at: http://pubaccess.nih.gov/submit_progress Journals.htm. Citations that are not covered by the Public Access Policy, but are publicly available in a free, online format may include URLs or PMCID numbers along with the full reference (note that copies of publicly available publications are not accepted as appendix material).

D. Research Support
List both selected ongoing and completed research projects for the past three years (Federal or non-Federally-supported). Begin with the projects that are most relevant to the research proposed in the application. Briefly indicate the overall goals of the projects and responsibilities of the key person identified on the Biographical Sketch. Do not include number of person months or direct costs.

Header

Personal Statement

Positions and Honors

Selected Peer-Reviewed Publications

Research Support

Biosketch Header

BIOGRAPHICAL SKETCH			
Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. DO NOT EXCEED FOUR PAGES.			
NAME Barnett, Joey Victor		POSITION TITLE Vice Chair, Pharmacology	
eRA COMMONS USER NAME barnetjv		Professor of Pharmacology	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Southern Indiana, Evansville, IN	B.S.	1980	Biology
Vanderbilt University, Nashville, TN	Ph.D.	1986	Pharmacology
Brigham and Women's Hospital and Harvard Medical School, Boston, MA	Fellowship	1986-1989	Cardiology

The Header contains personal and educational information

Biosketch Header

BIOGRAPHICAL SKETCH			
Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. DO NOT EXCEED FOUR PAGES.			
NAME Barnett, Joey Victor		POSITION TITLE Vice Chair, Pharmacology	
eRA COMMONS USER NAME barnetjv		Professor of Pharmacology	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Southern Indiana, Evansville, IN	B.S.	1980	Biology
Vanderbilt University, Nashville, TN	Ph.D.	1986	Pharmacology
Brigham and Women's Hospital and Harvard Medical School, Boston, MA	Fellowship	1986-1989	Cardiology

 Information on an NIH biosketch should be consistent with the information in eRA Commons

Biosketch Header

BIOGRAPHICAL SKETCH			
Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. DO NOT EXCEED FOUR PAGES.			
NAME Barnett, Joey Victor		POSITION TITLE Vice Chair, Pharmacology	
eRA COMMONS USER NAME barnetjv		Professor of Pharmacology	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Southern Indiana, Evansville, IN	B.S.	1980	Biology
Vanderbilt University, Nashville, TN	Ph.D.	1986	Pharmacology
Brigham and Women's Hospital and Harvard Medical School, Boston, MA	Fellowship	1986-1989	Cardiology

Education/Training begins with earliest

Biosketch Header

BIOGRAPHICAL SKETCH			
Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. DO NOT EXCEED FOUR PAGES.			
NAME Barnett, Joey Victor		POSITION TITLE Vice Chair, Pharmacology	
eRA COMMONS USER NAME barnetjv		Professor of Pharmacology	
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of Southern Indiana, Evansville, IN	B.S.	1980	Biology
Vanderbilt University, Nashville, TN	Ph.D.	1986	Pharmacology
Brigham and Women's Hospital and Harvard Medical School, Boston, MA	Fellowship	1986-1989	Cardiology

Typical problems with the Biosketch header

Section A

Personal Statement

It should demonstrate how the experience and qualifications make the person particularly well-suited for their proposed role in the project



Biosketch Section A

A. Personal Statement

The goal of the proposal is to provide research training in pediatric cardiology. This program will require the coordination of several disciplines and institutional resources in order to be optimally successful. Over my 30 year career in academic medicine I have conducted basic, translational and clinical research most recently leading large international clinical trials in critical illness, especially septic shock and ARDS. I have been P.I. on a T-32 training grant focused on translational research in pulmonary and critical care for 4 years and a major component of a T-32 in pulmonary diseases for 20 years before that. I am also the P.I. of Vanderbilt's Clinical and Translational Science Award (CTSA) and Associate Vice-Chancellor for Research. It is within my responsibility and my enthusiastic interest to serve in an advisory role to assist in optimizing the impact of this training program on the production of highly skilled and highly motivated investigators in pediatric cardiology.

I will actively leverage resources available through the CTSA and Vanderbilt Hospital to greatly enhance the productivity and creativity of this program. In summary I am highly motivated and very committed to work on this project-32 and I bring research skills, experience and institutional authority to greatly facilitate its ultimate success.

It should demonstrate an understanding of the project

Biosketch Section A

A. Personal Statement

The goal of the proposal is to provide research training in pediatric cardiology. This program will require the coordination of several disciplines and institutional resources in order to be optimally successful. Over my 30 year career in academic medicine, I have conducted basic, translational and clinical research most recently leading large international clinical trials in critical illness, especially septic shock and ARDS. I have been P.I. on a T-32 training grant focused on translational research in pulmonary and critical care for 4 years and a major component of a T-32 in pulmonary diseases for 20 years before that. I am also the P.I. of Vanderbilt's Clinical and Translational Science Award (CTSA) and Associate Vice-Chancellor for Research. It is within my responsibility and my enthusiastic interest to serve in an advisory role to assist in optimizing the impact of this training program on the production of highly skilled and highly motivated investigators in pediatric cardiology.

I will actively leverage resources available through the CTSA and Vanderbilt Hospital to greatly enhance the productivity and creativity of this program. In summary, I am highly motivated and very committed to work on this project-32 and I bring research skills, experience and institutional authority to greatly facilitate its ultimate success.

This statement should be written in the 1st person tense

BE CONSISTENT

Section B

Positions and Honors



Biosketch Section B

B. Positions and Honors

Positions and Employment

1983-1986	Intern & Resident in Medicine, University of Colorado
1986-1988	Research fellow, Harvard Medical School
1986-1989	Clinical fellow, Rheumatology, Brigham and Women's Hospital, Boston, MA
1986-1988	Postdoctoral fellow, Department of Cancer Biology, Harvard School Public Health, Boston, MA
1990-1992	Assistant Professor of Immunology, Harvard School of Public Health, Boston, MA
1990-1992	Assistant Professor of Medicine, Harvard Medical School
1992-1997	Assistant Professor of Microbiology & Immunology, Vanderbilt University, Nashville, TN.
1992-present	Asst/Assoc(Full) Professor of Medicine, Vanderbilt University, Nashville, TN.
1998-2005	Associate Professor of Microbiology & Immunology, Vanderbilt University, Nashville, TN.
2005-present	Professor of Microbiology & Immunology, Vanderbilt University, Nashville, TN

Honors

1983	Alpha Omega Alpha
1989-1992	Hilda Duggan Arthritis Investigator Award, Arthritis Foundation
1992-1995	Special Fellow Award, Leukemia Society of America
1992-1994	Baxter Scholar in Immunology, Baxter Foundation
1995-2000	Scholar Award, Leukemia Society of America
2005-present	Board of Directors, FASEB (AAI representative)
2006-present	Faculty of 1000
2007-present	Chair, NIH Issues Subcommittee (FASEB SPC)
2008-present	Regular Member, CSR Charter Study Section CMIB, NIH

Use chronological order

BE CONSISTENT

Biosketch Section B

B. Positions and Honors

Positions and Employment

1983-1986	Intern & Resident in Medicine, University of Colorado
1986-1988	Research fellow, Harvard Medical School
1986-1989	Clinical fellow, Rheumatology, Brigham and Women's Hospital, Boston, MA
1986-1988	Postdoctoral fellow, Department of Cancer Biology, Harvard School Public Health, Boston, MA
1990-1992	Assistant Professor of Immunology, Harvard School of Public Health, Boston, MA
1990-1992	Assistant Professor of Medicine, Harvard Medical School
1992-1997	Assistant Professor of Microbiology & Immunology, Vanderbilt University, Nashville, TN.
1992-present	(Asst/Assoc/Full) Professor of Medicine, Vanderbilt University, Nashville, TN.
1998-2005	Associate Professor of Microbiology & Immunology, Vanderbilt University, Nashville, TN.
2005-present	Professor of Microbiology & Immunology, Vanderbilt University, Nashville, TN

End with current position

BE CONSISTENT

Biosketch Section B

B. Positions and Honors Positions and Employment

1983-1986	Intern & Resident in Medicine, University of Colorado
1986-1988	Research fellow, Harvard Medical School
1986-1989	Clinical fellow, Rheumatology, Brigham and Women's Hospital, Boston, MA
1986-1988	Postdoctoral fellow, Department of Cancer Biology, Harvard School Public Health, Boston, MA
1990-1992	Assistant Professor of Immunology, Harvard School of Public Health, Boston, MA
1990-1992	Assistant Professor of Medicine, Harvard Medical School
1992-1997	Assistant Professor of Microbiology & Immunology, Vanderbilt University, Nashville, TN.
1992-present	(Asst/Assoc/Full) Professor of Medicine, Vanderbilt University, Nashville, TN.
1998-2005	Associate Professor of Microbiology & Immunology, Vanderbilt University, Nashville, TN.
2005-present	Professor of Microbiology & Immunology, Vanderbilt University, Nashville, TN

Include dates, places, nature of position

BE CONSISTENT

Biosketch Section B

Honors

1983	Alpha Omega Alpha
1989-1992	Hilda Duggan Arthritis Investigator Award, Arthritis Foundation
1992-1995	Special Fellow Award, Leukemia Society of America
1992-1994	Baxter Scholar in Immunology, Baxter Foundation
1995-2000	Scholar Award, Leukemia Society of America
2005-present	Board of Directors, FASEB (AAI representative)
2006-present	Faculty of 1000
2007-present	Chair, NIH Issues Subcommittee (FASEB SPC)
2008-present	Regular Member, CSR Charter Study Section CMIB, NIH

Include relevant honors

BE CONSISTENT

Biosketch Section B

Honors

1983	Alpha Omega Alpha
1989-1992	Hilda Duggan Arthritis Investigator Award, Arthritis Foundation
1992-1995	Special Fellow Award, Leukemia Society of America
1992-1994	Baxter Scholar in Immunology, Baxter Foundation
1995-2000	Scholar Award, Leukemia Society of America
2005-present	Board of Directors, FASEB (AAI representative)
2006-present	Faculty of 1000
2007-present	Chair, NIH Issues Subcommittee (FASEB SPC)
2008-present	Regular Member, CSR Charter Study Section CMIB, NIH

Avoid jargon & unfamiliar terms

BE CONSISTENT

Biosketch Section B

Other Experience and Professional Memberships

1977	Summer Studentship, Sandoz, AG, Basel, Switzerland
1979	Swiss Agronomy Summer Traineeship, Zurich
1979-81	Swiss Research Student Scholarship, ETH, Zurich
1981-84	Graduate Assistantship, Oklahoma State University
1991-present	Full Member, American Association for Cancer Research (AACR)
1992-present	American Society of Hematology (ASH)
1988-1998	Member, American Society for Advancement of Science (AAAS)
1989-present	Member, American Society for Biochemistry and Molecular Biology
1999-2002	Member, NIGMS MBRs/SCORE Study Section
2001-2002	Member, NIEHS ARCH SPECIAL EMPHASIS Study Section
2000-2002	Member, NIGMS CSR COBRE Study Section
2001-present	Member, NCI CSR Cancer Molecular Pathobiology Study Section
2001-2002	Member, AACR National Membership Committee
2002-2005	Member, American Society of Hematology (ASH) National Committee for Government Affairs
2005-present	Member, AACR Science Policy and Legislative Committee
2005-present	Member, Internal Society for Interferon and Cytokine Research
2006-present	Member, Cell Biology and Biochemistry Committee, National Board of Medical Examiners
2008-present	Reviewer, South Carolina Center of Economic Excellence (CoEE) grants
2007-present	Member, Review Panel, Howard Hughes Medical Research Fellowship grants
2009-present	Special Review Panel NIH F-32 NRSA Fellowship Program

Add relevant professional experiences

BE CONSISTENT

Biosketch Section B

National Peer Review

Study section: Molecular Immunology (Arthritis Foundation, 1996-1998); Nat'l LLS CDP (2006-present)

Ad hoc: NIH CSR -- ALY Study Section (1999, 2002), IMB Study Section (2002), CMI-A Study Section (2004, 2006), Special Study Section (2002; 2004); NIAID Special Emphasis Panels (Costimulation & Autoimmunity, 2002; Immune System Development & the Origins of Asthma, 2004); NSF: Human Frontiers Program; VAMC Merit Review; nat'l Leukemia & Lymphoma Soc.

Journals: Immunity, Nature Immunology; J. Exp. Med., J. Clin. Investigation, Blood, J. Immunol., PNAS, J. Biol. Chem., Mol. Cell. Biol., NEJM, Oncogene, Cancer Research, Genes Devel.

List membership on federal advisory committees

BE CONSISTENT

Biosketch Section B

Other Experience and Professional Memberships

1999 NIH Special Emphasis Panel Target Organ Damage in High Blood Pressure; 1999, NIH Clinical Cardiovascular Sciences Special Emphasis Panel; 2000-2004, AHA, Early Career Investigator Steering Group; 2002-2005, American Society of Hypertension Committee on Scientific Awards; 2002-2006, NCRR Clinical Research Review Committee; 2002-2005, AHA Council for High Blood Pressure Research, Committee on Professional and Public Education; 2004, Special Emphasis Panel to review Loan Repayment Program; 2005-present Program Committee, AHA Council for High Blood Pressure Research; 2006-2009 Leadership Committee AHA Council for High Blood Pressure Research; 2007-2011 NCRR Advisory Council; 2008-2013 EU Research Council LS4 Panel

Honors

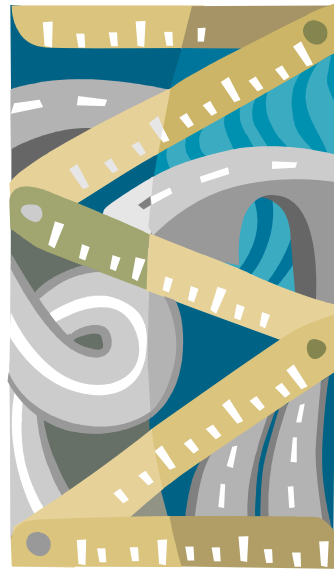
1988 *Alpha Omega Alpha*; 1989 Diplomate, American Board of Internal Medicine; 1991 Merck, Sharp & Dohme Travel Fellowship Award, Excellence in High Blood Pressure Research; 1999 Teaching Award in Clinical Pharmacology; 1999 Elliot Newman Award; 1999 Fellow, Council for High Blood Pressure Research; 2001 Young Scholar Award, American Society of Hypertension; 2001 Grant W. Liddle Faculty Research Award; 2002 American Federation for Medical Research Outstanding Investigator Award; 2003 American Society for Clinical Investigation; 2005 Vanderbilt Teaching Award for Innovative Programming; 2007 Grant W. Liddle Research Appreciation Award; 2008 Association of American Physicians

Using alternate formatting may save space, but ...

BE CONSISTENT

Section C

Selected Peer-Reviewed
Publications



Section C

The NIH limits the number of
publications to 15.

These should be selected based
on the rule of the 5s

1. Recency
2. Importance to the field
3. Relevance to the proposed research



Section C

PMCID # is required for any publication
accepted for publication on or after
04/07/2008



Biosketch Section C

C. Selected Peer-reviewed Publications (selected from 81)

1. Kim S, Kang J, Hu W, Evers BM, **Chung DH**. Geldanamycin decreases Raf-1 and Akt levels and induces apoptosis in neuroblastomas. *Int J Cancer* 103:352-359, 2003. PMID:12471618
2. Kim S, Domon-Dell C, Kang J, **Chung DH**, Freund JN, Evers BM. Down-regulation of the tumor suppressor PTEN by the tumor necrosis factor- α /nuclear factor- κ B (NF- κ B)-inducing kinase/NF- κ B pathway is linked to a default I κ B- α autoregulatory loop. *J Biol Chem* 279:4285-4291, 2004. PMID:14623898
3. Qiao J, Cree J, Kang J, Kim S, Evers BM, **Chung DH**. Ets transcriptional regulation of gastrin-releasing peptide receptor in neuroblastoma. *Surgery* 136:489-94, 2004. PMID:15300220
4. Qiao J, Kang J, Cree J, Evers BM, **Chung DH**. Gastrin-releasing peptide-induced down-regulation of tumor suppressor protein PTEN (phosphatase and tensin homolog deleted on chromosome ten) in neuroblastomas. *Ann Surg* 241:684-691, 2005. PMID:1537123
5. Song J, Li J, Lulla A, Evers BM, **Chung DH**. Protein kinase D protects against oxidative-stress induced intestinal epithelial cell injury by Rho/ROK/PKC- δ pathway activation. *Am J Physiol Cell Physiol* 290: C1469-C1476, 2006. PMID:2613753

Limited to 15 publications

Use "Selected from ..."

BE CONSISTENT

Biosketch Section C

C. Selected Peer-reviewed Publications (selected from 81)

1. Kim S, Kang J, Hu W, Evers BM, **Chung DH**. Geldanamycin decreases Raf-1 and Akt levels and induces apoptosis in neuroblastomas. *Int J Cancer* 103:352-359, 2003. PMID:12471618
2. Kim S, Domon-Dell C, Kang J, **Chung DH**, Freund JN, Evers BM. Down-regulation of the tumor suppressor PTEN by the tumor necrosis factor- α /nuclear factor- κ B (NF- κ B)-inducing kinase/NF- κ B pathway is linked to a default κ B- α autoregulatory loop. *J Biol Chem* 279:4285-4291, 2004. PMID:14623898
3. Qiao J, Cree J, Kang J, Kim S, Evers BM, **Chung DH**. Ets transcriptional regulation of gastrin-releasing peptide receptor in neuroblastoma. *Surgery* 136:489-94, 2004. PMID:15300220
4. Qiao J, Kang J, Cree J, Evers BM, **Chung DH**. Gastrin-releasing peptide-induced down-regulation of tumor suppressor protein PTEN (phosphatase and tensin homolog deleted on chromosome ten) in neuroblastomas. *Ann Surg* 241:684-691, 2005. PMCID:1357123
5. Song J, Li J, Lulla A, Evers BM, **Chung DH**. Protein kinase D protects against oxidative-stress induced intestinal epithelial cell injury by Rho/ROK/PKC- δ pathway activation. *Am J Physiol Cell Physiol* 290: C1469-C1476, 2006. PMCID:2613753

Number the publications

BE CONSISTENT

Biosketch Section C

List relevant publications in chronological order
Many biosketches highlight the person's name

1. **A. Mishra**, P. K. Dutta and M. K. Ghosh, "Study of cardiac motion with sequential MR images by wavelet based synthesis," *ICCCD 2000*, vol. II pp. 467-470 (Allied Publishers), 14th-16th Dec 2000, IIT, Kharagpur, India.
2. **A. Mishra**, P.K.Dutta, M.K.Ghosh and Stephan E. Maire, "Automatic detection of boundary of left ventricle in MRI images by optimizing snake with microgenetic algorithm", in *Proc. Joint. Int. Conf. SCI-2000 & ISAS-2000*, Orlando,FL, 23rd-26th. July-2000.
3. **A. Mishra**, P. K. Dutta & M. K. Ghosh, "Active contour optimization for boundary detection of non-rigid bodies a comparative study using GA and classical methods," 2nd *Int. Conf. on Comp. Appln. in Elect. Engg(CERA)*. Feb 21-23, 2002 IIT Roorkee, India.
4. **A. Mishra**, Adam W. Anderson, John C. Gore & Z. Ding, "Anisotropic interpolation of diffusion tensor images", ISMRM 05 (May 08-13) Miami, FL.
5. **A. Mishra**, Adam W. Anderson, John C. Gore & Z. Ding, "Anisotropic interpolation of diffusion tensor images for preservation of structural boundaries", *WMSCI 2005* (July 10-13), Orlando, FL, Vol. 5 pp. 367-370 (*Awarded as the best paper in the session*).
6. **A. Mishra**, A. Allen, T. A. Anderson, A. W., Gore, J. C., Morgan, V. L. & Ding, Z. 2007. Analysis of structural connectivity of human language pathways using diffusion and functional magnetic resonance imaging. ISMRM 07 May 19-25. Berlin.

BE CONSISTENT

Biosketch Section C

Use consistent citation format

1. **A. Mishra**, P. K. Dutta and M. K. Ghosh, "Study of cardiac motion with sequential MR images by wavelet based synthesis," *ICCCD 2000*, vol. II pp. 467-470 (Allied Publishers), 14th-16th Dec 2000, IIT, Kharagpur, India.
2. **A. Mishra**, P.K.Dutta, M.K.Ghosh and Stephan E. Maire, "Automatic detection of boundary of left ventricle in MRI images by optimizing snake with microgenetic algorithm", in *Proc. Joint. Int. Conf. SCI-2000 & ISAS-2000*, Orlando,FL, 23rd-26th. July-2000.
3. **A. Mishra**, P. K. Dutta & M. K. Ghosh, "Active contour optimization for boundary detection of non-rigid bodies a comparative study using GA and classical methods," *2nd Int. Conf. on Comp. Appln. in Elect. Engg(CERA)*. Feb 21-23, 2002 IIT Roorkee, India.
4. **A. Mishra**, Adam W. Anderson, John C. Gore & Z. Ding, "Anisotropic interpolation of diffusion tensor images", ISMRM 05 (May 08-13) Miami, FL.
5. **A. Mishra**, Adam W. Anderson, John C. Gore & Z. Ding, "Anisotropic interpolation of diffusion tensor images for preservation of structural boundaries", WMSCI 2005 (July 10-13), Orlando, FL, Vol. 5 pp. 367-370 (*Awarded as the best paper in the session*).
6. **A. Mishra**, A. Allen, T. A. Anderson, A. W., Gore, J. C., Morgan, V. L. & Ding, Z. 2007. Analysis of structural connectivity of human language pathways using diffusion and functional magnetic resonance imaging. ISMRM 07 May 19-25, Berlin.

BE CONSISTENT

Biosketch Section C

Give titles and complete references

2. Cheng Q, Zhao Y, Lawson WE, Polosukhin VV, Johnson JE, [Blackwell TS](#), Gailani D. The effects of intrinsic pathway protease deficiencies on plasminogen deficient mice. *Blood*. 106(9):3055-3057, 2005. [PMC1895339](#)
3. Lawson WE, Polosukhin VV, Stathopoulos GT, Zoia O, Han W., Lane KB, Li B, Donnelly EF, Holburn, Lewis KG, Collins RD, Hull WM, Glasser, SW, Whitsett JA, [Blackwell TS](#). Increased and prolonged pulmonary fibrosis in surfactant protein C deficient mice following intratracheal bleomycin. *Am J Pathol*. 167(5):1267-1277, 2005. [PMC1603790](#)
4. Musiek ES, Gao L, Milne GL, Han W, Everhart MB, Wang D, Backlund MG, DuBois RN, Zononi G, [Blackwell TS](#), Morrow JD. Cyclopentanone isoprostanes inhibit the inflammatory response in macrophages. *J Biol Chem*. 280(42):35562-70, 2005.
5. O'Donnell SM, Hansberger MW, Connolly JL, Chappell JD, Watson MJ, Pierce JM, Wetzel JD, Han W, Barton ES, Valyi-Nagy T, Yull FE, [Blackwell TS](#), Rottman JN, Sherry B, Dermody TS. Organ-specific roles for transcription factor NF- κ B in reovirus induced apoptosis and disease. *J Clin Invest*. 115(9):2341-2350, 2005. [PMC1184036](#)

BE CONSISTENT

Biosketch Section C

Only peer-reviewed publications, not reviews

2. Cheng Q, Zhao Y, Lawson WE, Polosukhin VV, Johnson JE, [Blackwell TS](#), Gailani D. The effects of intrinsic pathway protease deficiencies on plasminogen deficient mice. *Blood*. 106(9):3055-3057, 2005. [PMC1895339](#)
3. Lawson WE, Polosukhin VV, Stathopoulos GT, Zoia O, Han W., Lane KB, Li B, Donnelly EF, Holburn, Lewis KG, Collins RD, Hull WM, Glasser, SW, Whitsett JA, [Blackwell TS](#). Increased and prolonged pulmonary fibrosis in surfactant protein C deficient mice following intratracheal bleomycin. *Am J Pathol*. 167(5):1267-1277, 2005. [PMC1603790](#)
4. Musiek ES, Gao L, Milne GL, Han W, Everhart MB, Wang D, Backlund MG, DuBois RN, Zanon G, [Blackwell TS](#), Morrow JD. Cyclopentanone isoprostanes inhibit the inflammatory response in macrophages. *J Biol Chem*. 280(42):35562-70, 2005.
5. O'Donnell SM, Hansberger MW, Connolly JL, Chappell JD, Watson MJ, Pierce JM, Wetzel JD, Han W, Barton ES, Valyi-Nagy T, Yull FE, [Blackwell TS](#), Rottman JN, Sherry B, Dermody TS. Organ-specific roles for transcription factor NF- κ B in reovirus induced apoptosis and disease. *J Clin Invest*. 115(9):2341-2350, 2005. [PMC1184036](#)

BE CONSISTENT

Biosketch Section C

List manuscripts only if they have been accepted for publication

2. Cheng Q, Zhao Y, Lawson WE, Polosukhin VV, Johnson JE, [Blackwell TS](#), Gailani D. The effects of intrinsic pathway protease deficiencies on plasminogen deficient mice. *Blood*. 106(9):3055-3057, 2005. [PMC1895339](#)
3. Lawson WE, Polosukhin VV, Stathopoulos GT, Zoia O, Han W., Lane KB, Li B, Donnelly EF, Holburn, Lewis KG, Collins RD, Hull WM, Glasser, SW, Whitsett JA, [Blackwell TS](#). Increased and prolonged pulmonary fibrosis in surfactant protein C deficient mice following intratracheal bleomycin. *Am J Pathol*. 167(5):1267-1277, 2005. [PMC1603790](#)
4. Musiek ES, Gao L, Milne GL, Han W, Everhart MB, Wang D, Backlund MG, DuBois RN, Zanon G, [Blackwell TS](#), Morrow JD. Cyclopentanone isoprostanes inhibit the inflammatory response in macrophages. *J Biol Chem*. 280(42):35562-70, 2005.
5. O'Donnell SM, Hansberger MW, Connolly JL, Chappell JD, Watson MJ, Pierce JM, Wetzel JD, Han W, Barton ES, Valyi-Nagy T, Yull FE, [Blackwell TS](#), Rottman JN, Sherry B, Dermody TS. Organ-specific roles for transcription factor NF- κ B in reovirus induced apoptosis and disease. *J Clin Invest*. 115(9):2341-2350, 2005. [PMC1184036](#)

BE CONSISTENT

Biosketch Section C

Don't include manuscripts submitted or in preparation

2. Cheng Q, Zhao Y, Lawson WE, Polosukhin VV, Johnson JE, [Blackwell TS](#), Gailani D. The effects of intrinsic pathway protease deficiencies on plasminogen deficient mice. *Blood*. 106(9):3055-3057, 2005. [PMC1895339](#)
3. Lawson WE, Polosukhin VV, Stathopoulos GT, Zoia O, Han W., Lane KB, Li B, Donnelly EF, Holburn, Lewis KG, Collins RD, Hull WM, Glasser, SW, Whitsett JA, [Blackwell TS](#). Increased and prolonged pulmonary fibrosis in surfactant protein C deficient mice following intratracheal bleomycin. *Am J Pathol*. 167(5):1267-1277, 2005. [PMC1603790](#)
4. Musiek ES, Gao L, Milne GL, Han W, Everhart MB, Wang D, Backlund MG, DuBois RN, Zaroni G, [Blackwell TS](#), Morrow JD. Cyclopentanone isoprostanes inhibit the inflammatory response in macrophages. *J Biol Chem*. 280(42):35562-70, 2005.
5. O'Donnell SM, Hansberger MW, Connolly JL, Chappell JD, Watson MJ, Pierce JM, Wetzel JD, Han W, Barton ES, Valyi-Nagy T, Yull FE, [Blackwell TS](#), Rottman JN, Sherry B, Dermody TS. Organ-specific roles for transcription factor NF- κ B in reovirus induced apoptosis and disease. *J Clin Invest*. 115(9):2341-2350, 2005. [PMC1184036](#)

BE CONSISTENT

Biosketch Section C

For publicly available citations, URLs or PMC submission identification numbers may accompany the full reference

2. Cheng Q, Zhao Y, Lawson WE, Polosukhin VV, Johnson JE, [Blackwell TS](#), Gailani D. The effects of intrinsic pathway protease deficiencies on plasminogen deficient mice. *Blood*. 106(9):3055-3057, 2005. [PMC1895339](#)
3. Lawson WE, Polosukhin VV, Stathopoulos GT, Zoia O, Han W., Lane KB, Li B, Donnelly EF, Holburn, Lewis KG, Collins RD, Hull WM, Glasser, SW, Whitsett JA, [Blackwell TS](#). Increased and prolonged pulmonary fibrosis in surfactant protein C deficient mice following intratracheal bleomycin. *Am J Pathol*. 167(5):1267-1277, 2005. [PMC1603790](#)
4. Musiek ES, Gao L, Milne GL, Han W, Everhart MB, Wang D, Backlund MG, DuBois RN, Zaroni G, [Blackwell TS](#), Morrow JD. Cyclopentanone isoprostanes inhibit the inflammatory response in macrophages. *J Biol Chem*. 280(42):35562-70, 2005.
5. O'Donnell SM, Hansberger MW, Connolly JL, Chappell JD, Watson MJ, Pierce JM, Wetzel JD, Han W, Barton ES, Valyi-Nagy T, Yull FE, [Blackwell TS](#), Rottman JN, Sherry B, Dermody TS. Organ-specific roles for transcription factor NF- κ B in reovirus induced apoptosis and disease. *J Clin Invest*. 115(9):2341-2350, 2005. [PMC1184036](#)

BE CONSISTENT

Section D

Current/Ongoing and Completed research



Biosketch Section D

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI)

1/01/03 - 6/30/13

NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI)

6/01/05 - 3/31/10

NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

List selected ongoing/completed support during the past 3 years

BE CONSISTENT

Biosketch Section D

List in order of relevance to the project

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI)

1/01/03 - 6/30/13

NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI)

6/01/05 - 3/31/10

NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

BE CONSISTENT

Biosketch Section D

Include both federal and non-federal funding sources

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI)

1/01/03 - 6/30/13

NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI)

6/01/05 - 3/31/10

NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

BE CONSISTENT

Biosketch Section D

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI) 1/01/03 - 6/30/13
NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI) 6/01/05 - 3/31/10
NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

BE CONSISTENT

Biosketch Section D

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI) 1/01/03 - 6/30/13
NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI) 6/01/05 - 3/31/10
NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

BE CONSISTENT

Biosketch Section D

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI) 1/01/03 - 6/30/13

NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI) 6/01/05 - 3/31/10

NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

BE CONSISTENT

Biosketch Section D

Do not include percent effort or direct costs

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI) 1/01/03 - 6/30/13

NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI) 6/01/05 - 3/31/10

NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

BE CONSISTENT

The biosketch is not the same as the Other Support document

Principal Investigator/Program Director: Brown, Joe S., PhD
(Last, first, middle)

(Award date of current pending application is December 1, 2010)

BROWN, JOE, S.

ACTIVE

5 R01 HL 040001-04 (Brown) NIH/NHLBI Chloride and Sodium Transport in Airway Epithelial Cells	03/01/2007 – 2/28/2012 \$186,529	3.60 calendar months
---	-------------------------------------	----------------------

The major goals of this project are to define the biochemistry of chloride and sodium transport in airway epithelial cells and clone the gene(s) involved in transport.

5 R01 HL 567089-05 (Brown) NIH/NHLBI Ion Transport in Lungs	04/01/2006 – 03/31/2011 \$175,000	4.80 calendar months
---	--------------------------------------	----------------------

The major goal of this project is to study chloride and sodium transport in normal and diseased lungs.

R000 (Emory University; Jacobs) Cystic Fibrosis Foundation Gene Transfer of CFTR to the Airway Epithelium	09/01/2009 – 08/31/2014 \$43,123	1.20 calendar months
---	-------------------------------------	----------------------

The major goals of this project are to identify and isolate airway epithelium progenitor cells and express human CFTR in airway epithelial cells.

PENDING

DCB 950000 (Brown) National Science Foundation Liposome Membrane Composition and Function	12/01/2010 – 11/30/2015 \$82,163	2.40 calendar months
---	-------------------------------------	----------------------

The major goals of this project are to define biochemical properties of liposome membrane components and maximize liposome uptake into cells.

BE CONSISTENT

Biosketch Section D

Selected research support should relate to the current project

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI) NIH "Role of Gastrin-Releasing Peptide in Neuroblastoma"	1/01/03 - 6/30/13
--	-------------------

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI) NIH "Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function	6/01/05 - 3/31/10
---	-------------------

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.
Role: Co-Investigator

Each biosketch is different

BIOGRAPHICAL SKETCH
Provide the following information for the biosketch portion of the significant contributions to the field listed on Form Page 2. Follow the format to suit content. DO NOT EXCEED FOUR PAGES.

NAME	POSITION/TITLE		
JAMES ADRIAN JONES, M.D.	Professor of Pediatrics Pediatric Cardiology Training Program Director		
JONES, JAMES ADRIAN	JONES, JAMES ADRIAN		
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, medical, dental, pharmacy and veterinary training programs)			
INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
Yale University, New Haven, CT	BS	05/72-05/76	Engineering and Applied Science
Vanderbilt University, Nashville, TN	MD	05/76-05/80	Medicine
University of Wisconsin Hospital and Clinics, Madison, WI	Residency	05/80-05/83	Pediatrics
University of Wisconsin Hospital and Clinics, Madison, WI	Chief Residency	07/83-05/84	Pediatrics
Vanderbilt University, Nashville, TN	Fellow	05/84-05/87	Pediatric Cardiology

A. Personal Statement
I have a long-standing interest in training of physician-scientists in pediatric cardiovascular disease, having been on the faculty of the Division of Pediatric Cardiology at Vanderbilt for over 20 years. During that time, I have been involved in the training of over 30 pediatric cardiologists.
My own training in basic research was supported by an individual NRSA F32 training grant from 1985 to 1987, as well as a K12 award for investigation of calcium currents and intracellular calcium concentrations in smooth muscle from 1987 to 1992. I was an investigator on 2 projects in the P01 Program Project Grant, "Mechanisms of action of antiarrhythmic drugs" from 1992 to 1994.
Since 1996, my research has been primarily clinical. I have been an investigator on multicenter trials of novel pacing algorithms, electrophysiological patterns with systemic to pulmonary artery shunts, surveillance in pediatric congenital heart failure, monoclonal antibodies for prevention of respiratory syncytial virus in infants with congenital heart disease, and location for patients with Marfan Syndrome.
Since 2002, I have been the program director for the Vanderbilt Pediatric Cardiology Training Program. I have served as the primary clinical mentor for 10 of the trainees and as the research mentor for 2 trainees. During my tenure as program director, 10 of the 16 entering fellows have undertaken the MSCG program or are currently completing it. All 10 graduates of the program in the past 3 years are currently in academic positions, and 5 of them have MScD degrees. All trainees who have enrolled in the MSCG program have graduated.
This proposal will allow continuation of our successful pilot program that has integrated 2 to 2½ years of intensive research training in basic or translational research with 1½ to 2 years of clinical training in a 4-year combined training program.

BIOGRAPHICAL SKETCH

NAME	POSITION/TITLE		
Stallan, H. Scott	Professor and Vice Chair of Pediatrics, Chief, Division of Pediatric Cardiology Vanderbilt University School of Medicine		
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing and medical professional training)			
INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
University of Virginia, Charlottesville, VA	BA	1974-1977	Biology/Physics/Biology
University of Virginia, School of Medicine	MD	1977-1981	Medicine

A. Personal Statement
My laboratory efforts have concentrated on delineating the molecular basis of vascular development in the mammalian embryo as an approach to understanding the etiology of congenital heart diseases and this laboratory has served as venue for training several graduate students and post-doctoral fellows, most of which have remained in academic medicine. I have maintained continuous NIH funding for almost 20 years and I have participated as a member of the NIH CVA/CDD study section. I have served as Chair of the National and Southeast Regional Cardiovascular Development Study Sections for the ASA. I have also participated in numerous special program project review panels and was PI of the SCOR in Pediatric Cardiovascular Disease at the Children's Hospital of Philadelphia. I am currently a member of the National AHA Research Committee. In addition, I have maintained an active clinical practice in Pediatric Cardiology and have been heavily involved in the development of Physician's Scientists for a large part of my career. I served as the Co-Director of Cardiovascular Research at the Children's Hospital and as Vice Chair for Research at Vanderbilt. I am currently a member of the Faculty Advisory Committee for the NESTP training program at Vanderbilt and a member of the Scientific Board of the Staroff Foundation, and organization dedicated to support and development of physician research careers in cardiovascular medicine. I was a member of the NHLBI Task Force on Research in Pediatric Cardiovascular Disease (2001-2002), the Valvular and Congenital Diseases Working Group of the NHLBI Strategic Planning Effort (2006). As Chair of the Division of Pediatric Cardiology and Co-Director of the Pediatric Heart Institute at Vanderbilt since 2004, I participated in the ACC/AHA/AHA/ACC Committee to Develop Training Recommendations for Pediatric Cardiology (2005) and I have lead the development of an academic fellowship program that is described in this proposal and is now beginning to show success in cultivating young academic faculty Pediatric Cardiology. I believe these experiences provide a solid for me to serve as Director of the proposed training program.

B. Positions and Honors
Postgraduate Training and Fellowship Appointments: 1982 Intern Resident in Psychiatry, University of Virginia, Charlottesville, VA; 1982-86 F1, F2, F3, 5th Chief Resident Pediatrics, Strong Memorial Hospital, University of Rochester, Rochester, NY; 1986-88 Research Fellow, Pediatric Cardiology, University of Iowa, Iowa City, IA; 1987-90 Post Doctoral Research Scientist with Michael Solum, Ph.D. Dept. of Biol. Univ. IA
Faculty Appointments: 1985-86 Clinical Instructor, Pediatrics, Strong Memorial Hospital, Univ. of Rochester; 1988-89 Fellow Associate and Associate, Division of Pediatric Cardiology, University of Iowa Hospital; 1990-99 Assistant Professor of Pediatrics, Dept. of Pediatrics, Univ. of Penn. School of Med. and Adjunct Assistant Professor, Wistar Institute, Philadelphia, PA.; 1999-2002 Associate Professor of Pediatrics, Dept. of Pediatrics, Univ. of Penn. School of Med. and Adjunct Associate Professor, Wistar Institute, Philadelphia, PA; 2002 - Present, Professor of Pediatrics, Cell and Developmental Biology, 2003-2007 Vice-Chair for Laboratory Sciences, Dept. of Pediatrics, Vanderbilt University Medical School, Nashville, TN; 2004-Present, Chief, Division of Pediatric Cardiology and, Co-Director of the Pediatric Heart Institute, Department of Pediatrics, Vanderbilt University Medical Center, Monroe Carell Jr. Children's Hospital at Vanderbilt.
Specialty Certification: 1987 American Board of Pediatrics; 1992 Card. (Recert. 4/99, 10/07)
Awards and Honors: 974-077 Echols Scholar, University of Virginia; 1087 First Place Young Investigators Competition, AHA; Section of Pediatric Cardiology; 758-603 NIH-NHLBI Physician-Clinical Award; 399 ACC/ASA Travel Award; 691 Faculty Research Achievement Award, Joseph Stokes Institute, The Children's Hospital of Philadelphia (CHOP); 455 John Nisand Memorial Lectureship, C.S. Mott Children's Hospital; April, 1995; 756-600 Established Investigator Award, AHA; 756-699 Founders Fund for Excellence in Research

Your faculty members may have different biosketches for different grant proposals



Your faculty member should review his/her biosketch before you sent it to another department



Bio Template

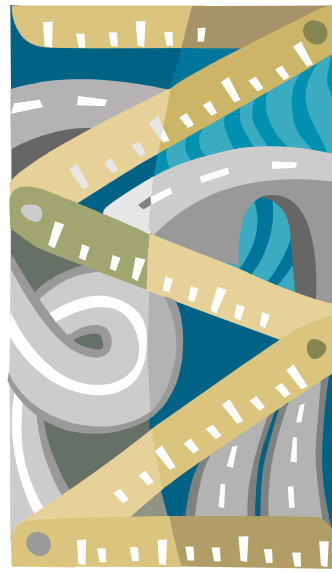
Use the online NIH biosketch format page to build your biosketch or the GCM template

BIOGRAPHICAL SKETCH			
Provide the following information for the candidate personnel and other significant contributors in the order listed on Form Page 2. Place the format of each section. DO NOT EXCEED FOUR PAGES.			
NAME		POSITION TITLE	
VIA COMMONS USER NAME (preferred, e.g., Agency login)			
EDUCATION/Training (begin with undergraduate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable)			
INSTITUTION AND LOCATION		DEGREE if applicable	MAJY FIELD OF STUDY
NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions below.			
A. Personal Statement			
Briefly describe why your experience and qualifications make you particularly well-suited for your role (e.g., FICPI, mentor, participating faculty) in the project that is the subject of the application.			
B. Positions and Honors			
List in chronological order previous positions, concluding with the present position. List any honors. Include present membership on any Federal Government public advisory committee.			
C. Selected Peer-reviewed Publications			
NIH encourages applicants to limit the list of selected peer-reviewed publications or manuscripts in press to no more than 10. Do not include manuscripts submitted or in preparation. The individual may choose to include selected publications based on recency, importance to the field, and/or relevance to the proposed research. When citing articles that fall under the Public Access Policy, were authored or co-authored by the applicant and arose from NIH support, provide the NIH Manuscript Submission reference number (e.g., NIHMS57531) or the PubMed Central (PMC) reference number (e.g., PMC1224567) for each article. If the PMCID is not yet available because the Journal submits articles directly to PMC on behalf of their authors, indicate "PMC Journal - In Process." A list of these Journals is posted at: http://publicaccess.nih.gov/journals_inprocess_journals.htm . Citations that are not covered by the Public Access Policy, but are publicly available in a free, online format may include URLs or PMCID numbers along with the full reference (note that copies of publicly available publications are not accepted as appendix material.)			
D. Research Support			
List both selected ongoing and completed research projects for the past three years (Federal or non-Federally-supported). Begin with the projects that are most relevant to the research proposed in the application. Briefly indicate the overall goals of the projects and responsibilities of the key person identified on the Biographical Sketch. Do not include number of person months or direct costs.			

Bio Mechanics

Type may be no more than six lines
per inch

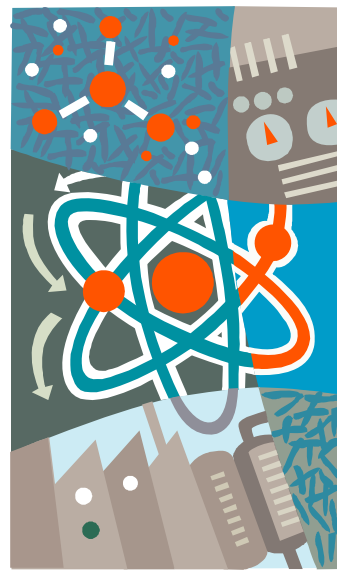
Type density for characters and
spaces must be no more than 15
characters per inch



Bio Mechanics

Use the right point size

eleven to twelve point



Bio Mechanics

Ink color should be

BLACK



Electronic Submissions

For electronic submissions, biosketch should be in PDF format

RESEARCH & RELATED Senior/Key Person Profile (Expanded)

PROFILE - Project Director/Principal Investigator				
Prefix	* First Name	Middle Name	* Last Name	Suffix
	Jostine	E	Eid	
Position/Title: Assistant Professor		Department: Cancer Biology		
Organization Name: Vanderbilt University Medical Center		Division: School of Medicine		
* Street1: 740 Preston Building		Street2:		
* City: Nashville	County: Davidson	* State: TN; Tennessee- Province: ee		
* Country: USA; UNITED STATES		* Zip / Postal Code: 37232		
* Phone Number 615-936-2923		Fax Number 6-2911		* E-Mail jostine.eid@vanderbilt.edu
Credentia: e.g., agency login: EIDUE1				
* Project Role: PD/PI		Other Project Role Category:		
Attach Biographical Sketch		File Name	Mime Type	
attachourname@vanderbilt.edu		ID-0044707_BN-1_BIOSKETCH.pdf	application/octet-stream	

PDF

Paper Submissions

In paper applications, the biosketch is included with the 398 forms

The PI's biosketch will be first, followed by the key personnel in alphabetical order

After the key personnel are the Other Significant Contributors (in alphabetical order)



Common Biosketch Problems

Including current and pending support instead of current and completed support

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI) 1/01/03 - 6/30/13
NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI) 6/01/05 - 3/31/10
NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

Common Biosketch Problems

Incomplete or incorrect data

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI) 1/01/03 - 6/30/13

NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI) 6/01/05 - 3/31/10

NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

Common Biosketch Problems

Including % of effort on projects

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI) 1/01/03 - 6/30/13

NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI) 6/01/05 - 3/31/10

NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

Common Biosketch Problems

Adding budget amount to projects

D. Research Support (last three years)

Ongoing Research Support

2R01 DK61470-06 (Chung, PI) 1/01/03 - 6/30/13

NIH

"Role of Gastrin-Releasing Peptide in Neuroblastoma"

The goal of this study is to determine the expression of gastrin-releasing peptide (GRP) and its receptor, GRP-R in neuroblastoma, and to discern the molecular mechanisms regulating GRP-R-mediated neuroblastoma growth and metastasis.

Completed Research Support

P01 DK35608 (Townsend, PI) 6/01/05 3/31/10

NIH

"Studies in Gastrointestinal Endocrinology": Project 1: Effect of Aging on Pancreatic Function

The goal of this study was to determine the role of the PI3K/Akt pathway in the age-associated alteration of pancreatic growth, and to elucidate the role of IGF-1 and its receptor on altered PI3K/Akt expression and proliferation.

Role: Co-Investigator

Now It's Your Turn



Modified Biosketches

Director's Pioneer Award
Career Development Awards



Modified Biosketches

BIOGRAPHICAL SKETCH			
<small>Fields in italics indicate fields to be completed for the application materials. Fields in bold indicate primary fields. Do not exceed four fields.</small>			
NAME	ACADEMIC TITLE		
APPOINTING DEPARTMENT			
<small>EDUCATION/TRAINING: Do not exceed more than one line per school or institution, but do include graduate training.</small>			
INSTITUTION AND LOCATION	DEGREE <small>(optional)</small>	YEARS	FIELD OF STUDY

Please refer to the application instructions in order to complete sections A and B of the Biographical Sketch.

Modified Biosketches

K Awards: CDA candidate's biosketch will be different

BIOGRAPHICAL SKETCH			
Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow the format for each position. DO NOT EXCEED FOUR PAGES.			
NAME: Arabinda Mishra		POSITION TITLE: Research Fellow	
EDUCATION/WORKING TITLE: MISHRAA			
EDUCATION/WORKING TITLE: (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Orissa Univ. Agr. & Tech., Bhubaneswar, India	B.Sc.	1989	Electrical Engineering
IT, Kharagpur, India	M. Tech	1995	Electrical Engineering
	Ph.D.	2003	Electrical Engineering
A. Positions and Honors			
Employment			
1989-1989	Lecturer, Electrical Engineering Department, Government Women's Polytechnique Dhenkanal, Orissa, India		
1989-1993	Lecturer, Electrical Engineering Department, IIT, Sarang, India		
1995-1999	Lecturer, Electrical Engineering Department, IIT, Sarang, India		
2003-2004	Senior Visiting Lecturer, Electrical Engineering Department, IIT, Sarang, India		
2004-Present	Research Fellow, Vanderbilt Institute of Imaging Science, Department of Radiology and Radiological Sciences, Nashville, Tennessee		
Honors			
1999	Patent, A. Mishra and M.K. Ghosh, "Optical Fiber Based Differential Pressure Sensor". Accepted Indian patent 1996, commercial manufacturing rights given to Eureka Instruments, Calcutta, India		
1999	I.C.F. Anbia Memorial Medal for best paper, "Optical Fiber Based Differential Pressure Sensor" in I.E.J. The Institution of Engineers India, at 13 th IE Convention, Chandigarh India		
Reviewer of International Journals & Conferences: Image and Vision Computing (Elsevier Science) NeuroImage (Elsevier Science) Magnetic Resonance Imaging (Elsevier Science)			
B. Selected peer reviewed publications (in chronological order).			
1.	A. Mishra & M.K. Ghosh, "Optical fiber based differential pressure sensor," <i>I.E.J. of The Institution of Engineers India</i> , vol. 78, pp. 39-43, Sept 1997		
2.	A. Mishra, P. K. Dutta & M. K. Ghosh, "Non-rigid cardiac motion quantification from 2-D image sequences based on wavelet synthesis," <i>Imag. and Vision Comput.</i> vol. 19(12) pp. 929-939 Nov 2001		
3.	A. Mishra, P. K. Dutta & M. K. Ghosh, "A OA based approach for boundary detection of left ventricle with echocardiographic image sequences," <i>Imag. and Vision Comput.</i> vol. 21(11) pp. 967-976 June 2003		
4.	A. Mishra, P. K. Dutta & M. K. Ghosh, "Fuzzy Shape based Motion Evaluation of Left Ventricle using Genetic Algorithm," vol. 24(5), pp. 436-446, May 2006		
5.	A. Mishra, Y. Lu, J. Meng, A. W. Anderson and Z. Ding, "Unified framework for anisotropic interpolation and smoothing of diffusion tensor images" <i>NeuroImage</i> , vol. 31(4), pp. 1525-1535, Jul 2006		
6.	A. Mishra, Y. Lu, A. Aldroubi, A. S. Choe, A. Aldroubi, J. C. Gore, A. W. Anderson and Z. Ding, "An image processing toolset for diffusion tensor tractography," <i>Mag. Reson. Imp.</i> , vol. 25 (2007), pp. 365-376.		
Publications in International Conference (Selected papers)			
1.	A. Mishra, P. K. Dutta and M. K. Ghosh, "Study of cardiac motion with sequential MRI images by wavelet based synthesis," <i>ICCCD 2000</i> , vol. II pp. 467-470 (Allied Publishers), 14 th -16 th Dec 2000, IT, Kharagpur, India.		

BIOGRAPHICAL SKETCH			
Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow the format for each position. DO NOT EXCEED FOUR PAGES.			
NAME: Arabinda Mishra		POSITION TITLE: Research Fellow	
EDUCATION/WORKING TITLE: MISHRAA			
EDUCATION/WORKING TITLE: (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Orissa Univ. Agr. & Tech., Bhubaneswar, India	B.Sc.	1989	Electrical Engineering
IT, Kharagpur, India	M. Tech	1995	Electrical Engineering
	Ph.D.	2003	Electrical Engineering
A. Positions and Honors			
Employment			
1989-1989	Lecturer, Electrical Engineering Department, Government Women's Polytechnique Dhenkanal, Orissa, India		
1989-1993	Lecturer, Electrical Engineering Department, IIT, Sarang, India		
1995-1999	Lecturer, Electrical Engineering Department, IIT, Sarang, India		
2003-2004	Senior Visiting Lecturer, Electrical Engineering Department, IIT, Sarang, India		
2004-Present	Research Fellow, Vanderbilt Institute of Imaging Science, Department of Radiology and Radiological Sciences, Nashville, Tennessee		
Honors			
1999	Patent, A. Mishra and M.K. Ghosh, "Optical Fiber Based Differential Pressure Sensor". Accepted Indian patent 1996, commercial manufacturing rights given to Eureka Instruments, Calcutta, India		
1999	I.C.F. Anbia Memorial Medal for best paper, "Optical Fiber Based Differential Pressure Sensor" in I.E.J. The Institution of Engineers India, at 13 th IE Convention, Chandigarh India		
Reviewer of International Journals & Conferences: Image and Vision Computing (Elsevier Science) NeuroImage (Elsevier Science) Magnetic Resonance Imaging (Elsevier Science)			
B. Selected peer reviewed publications (in chronological order).			
1.	A. Mishra & M.K. Ghosh, "Optical fiber based differential pressure sensor," <i>I.E.J. of The Institution of Engineers India</i> , vol. 78, pp. 39-43, Sept 1997		
2.	A. Mishra, P. K. Dutta & M. K. Ghosh, "Non-rigid cardiac motion quantification from 2-D image sequences based on wavelet synthesis," <i>Imag. and Vision Comput.</i> vol. 19(12) pp. 929-939 Nov 2001		
3.	A. Mishra, P. K. Dutta & M. K. Ghosh, "A OA based approach for boundary detection of left ventricle with echocardiographic image sequences," <i>Imag. and Vision Comput.</i> vol. 21(11) pp. 967-976 June 2003		
4.	A. Mishra, P. K. Dutta & M. K. Ghosh, "Fuzzy Shape based Motion Evaluation of Left Ventricle using Genetic Algorithm," vol. 24(5), pp. 436-446, May 2006		
5.	A. Mishra, Y. Lu, J. Meng, A. W. Anderson and Z. Ding, "Unified framework for anisotropic interpolation and smoothing of diffusion tensor images" <i>NeuroImage</i> , vol. 31(4), pp. 1525-1535, Jul 2006		
6.	A. Mishra, Y. Lu, A. Aldroubi, A. S. Choe, A. Aldroubi, J. C. Gore, A. W. Anderson and Z. Ding, "An image processing toolset for diffusion tensor tractography," <i>Mag. Reson. Imp.</i> , vol. 25 (2007), pp. 365-376.		
Publications in International Conference (Selected papers)			
1.	A. Mishra, P. K. Dutta and M. K. Ghosh, "Study of cardiac motion with sequential MRI images by wavelet based synthesis," <i>ICCCD 2000</i> , vol. II pp. 467-470 (Allied Publishers), 14 th -16 th Dec 2000, IT, Kharagpur, India.		

Modified Biosketches

Employment should indicate the department, organization department head, rank, tenure, status and dates (if applicable)

BIOGRAPHICAL SKETCH
Provide the following information for the biographical sketches in the order listed on Form Page 2. Follow the format for each section. DO NOT EXCEED FOUR PAGES.

NAME Arabinda Mishra		POSITION TITLE Research Fellow	
UNIVERSITY/INSTITUTION/NAME MISHRAA			
EDUCATION/DEGREE/DEGREE WITH HONORS/OTHER RELEVANT PROFESSIONAL EDUCATION (such as training and include post-graduate training)			
INSTITUTION AND LOCATION		DEGREE (if applicable)	YEAR(S)
Orissa Univ. Agr. & Tech., Bhubaneswar, India		B.Sc.	1989
IIT, Kharagpur, India		M.Tech	1995
IIT, Kharagpur, India		Ph.D.	2003

A. Positions and Honors

Employment

1989-1989 Lecturer, Electrical Engineering Department, Government Women's Polytechnic, Dhanbad, Orissa, India

1989-1993 Lecturer, Electrical Engineering Department, IIT, Sarang, India

1995-1999 Lecturer, Electrical Engineering Department, IIT, Sarang, India

2003-2004 Senior Visiting Lecturer, Electrical Engineering Department, IIT, Sarang, India

2004-Present Research Fellow, Vanderbilt Institute of Imaging Science, Department of Radiology and Radiological Sciences, Nashville, Tennessee

Honors

1990 Patent, A. Mishra and M.K. Ghosh, "Optical Fiber Based Differential Pressure Sensor". Accepted Indian patent 1996, commercial manufacturing rights given to Eureka Instruments, Calcutta, India.

1990 K.F. Anba Memorial Medal for best paper, "Optical Fiber Based Differential Pressure Sensor" in IE J. The Institution of Engineers India, at 13th IE Convention, Chandigarh India

Reviewer of International Journals & Conferences:
Image and Vision Computing (Elsevier Science)
NeuroImage (Elsevier Science)
Magnetic Resonance Imaging (Elsevier Science)

B. Selected peer reviewed publications (in chronological order).

1. A. Mishra & M.K. Ghosh, "Optical fiber based differential pressure sensor," *IE J. of The Institution of Engineers India*, vol-78, pp. 39-43, Sept 1997.
2. A. Mishra, P. K. Dutta & M. K. Ghosh, "Non-rigid cardiac motion quantification from 2-D image sequences based on wavelet synthesis," *Imag. and Vision Comput.* vol. 19(7) pp. 608-609 Nov 2001.
3. A. Mishra, P. K. Dutta & M. K. Ghosh, "A OA based approach for boundary detection of left ventricle with echocardiographic image sequences," *Imag. and Vision Comput.* vol. 21(11) pp. 967-976 June 2003.
4. A. Mishra, P. K. Dutta & M. K. Ghosh, "Fuzzy Shape based Motion Evaluation of Left Ventricle using Genetic Algorithm" vol. 24(2), pp. 438-446, May 2006.
5. A. Mishra, Y. Lu, J. Meng, A. W. Anderson and Z. Ding, "Unified framework for anisotropic interpolation and smoothing of diffusion tensor images" *Magnomaps*, vol. 31(4), pp. 1525-1535, Jul 2006.
6. A. Mishra, Y. Lu, A. Abdou, A. S. Choe, A. Abdou, J. C. Gore, A. W. Anderson and Z. Ding, "An image-processing toolset for diffusion tensor tractography," *Mag. Reson. Imp.*, vol. 25 (2007), pp. 365-378.

Publications in International Conference (Selected papers)

1. A. Mishra, P. K. Dutta and M. K. Ghosh, "Study of cardiac motion with sequential MRI images by wavelet based synthesis," *ICCD 2000*, vol. II pp. 467-470 (Allied Publishers), 14th-16th Dec 2000, IT, Kharagpur, India.

Modified Biosketches

Publications should be chronological

BIOGRAPHICAL SKETCH
Provide the following information for the biographical sketches in the order listed on Form Page 2. Follow the format for each section. DO NOT EXCEED FOUR PAGES.

NAME Arabinda Mishra		POSITION TITLE Research Fellow	
UNIVERSITY/INSTITUTION/NAME MISHRAA			
EDUCATION/DEGREE/DEGREE WITH HONORS/OTHER RELEVANT PROFESSIONAL EDUCATION (such as training and include post-graduate training)			
INSTITUTION AND LOCATION		DEGREE (if applicable)	YEAR(S)
Orissa Univ. Agr. & Tech., Bhubaneswar, India		B.Sc.	1989
IIT, Kharagpur, India		M.Tech	1995
IIT, Kharagpur, India		Ph.D.	2003

A. Positions and Honors

Employment

1989-1989 Lecturer, Electrical Engineering Department, Government Women's Polytechnic, Dhanbad, Orissa, India

1989-1993 Lecturer, Electrical Engineering Department, IIT, Sarang, India

1995-1999 Lecturer, Electrical Engineering Department, IIT, Sarang, India

2003-2004 Senior Visiting Lecturer, Electrical Engineering Department, IIT, Sarang, India

2004-Present Research Fellow, Vanderbilt Institute of Imaging Science, Department of Radiology and Radiological Sciences, Nashville, Tennessee

Honors

1990 Patent, A. Mishra and M.K. Ghosh, "Optical Fiber Based Differential Pressure Sensor". Accepted Indian patent 1996, commercial manufacturing rights given to Eureka Instruments, Calcutta, India.

1990 K.F. Anba Memorial Medal for best paper, "Optical Fiber Based Differential Pressure Sensor" in IE J. The Institution of Engineers India, at 13th IE Convention, Chandigarh India

Reviewer of International Journals & Conferences:
Image and Vision Computing (Elsevier Science)
NeuroImage (Elsevier Science)
Magnetic Resonance Imaging (Elsevier Science)

B. Selected peer reviewed publications (in chronological order).

1. A. Mishra & M.K. Ghosh, "Optical fiber based differential pressure sensor," *IE J. of The Institution of Engineers India*, vol-78, pp. 39-43, Sept 1997.
2. A. Mishra, P. K. Dutta & M. K. Ghosh, "Non-rigid cardiac motion quantification from 2-D image sequences based on wavelet synthesis," *Imag. and Vision Comput.* vol. 19(7) pp. 608-609 Nov 2001.
3. A. Mishra, P. K. Dutta & M. K. Ghosh, "A OA based approach for boundary detection of left ventricle with echocardiographic image sequences," *Imag. and Vision Comput.* vol. 21(11) pp. 967-976 June 2003.
4. A. Mishra, P. K. Dutta & M. K. Ghosh, "Fuzzy Shape based Motion Evaluation of Left Ventricle using Genetic Algorithm" vol. 24(2), pp. 438-446, May 2006.
5. A. Mishra, Y. Lu, J. Meng, A. W. Anderson and Z. Ding, "Unified framework for anisotropic interpolation and smoothing of diffusion tensor images" *Magnomaps*, vol. 31(4), pp. 1525-1535, Jul 2006.
6. A. Mishra, Y. Lu, A. Abdou, A. S. Choe, A. Abdou, J. C. Gore, A. W. Anderson and Z. Ding, "An image-processing toolset for diffusion tensor tractography," *Mag. Reson. Imp.*, vol. 25 (2007), pp. 365-378.

Publications in International Conference (Selected papers)

1. A. Mishra, P. K. Dutta and M. K. Ghosh, "Study of cardiac motion with sequential MRI images by wavelet based synthesis," *ICCD 2000*, vol. II pp. 467-470 (Allied Publishers), 14th-16th Dec 2000, IT, Kharagpur, India.

Modified Biosketches

They should be divided into groups: original or theoretical, non-experimental, books, others



Modified Biosketches

Any publications submitted with the proposal should have an asterisk



Modified Biosketches

Any publications authored during the CDA should be identified with a double asterisk—if progress report or renewal

PHS 358/2590 OTHER SUPPORT
(August 15, 2007)

DING, ZHAOHUA

ACTIVE

SR01 EB000461-06 (Ding) 07/01/2003-03/31/2008
NIH-NIBIB \$497,664
Integrated Functional Imaging of the Human Brain

This is a research partnership designed to develop and integrate different methods of brain imaging (fMRI, MRI, NMR, ERP) and advanced methods of data analysis.

SR01 EB002777-05 (Anderson) 08/01/2006-07/31/2008
NIH-NIBIB \$225,000
Improved Imaging of Brain White Matter

To develop novel techniques for improving spatial and angular resolutions of diffusion tensor imaging and new methods for studying the structural connectivity of brain white matter.

SR21 DA 021034-02 (Avison) 09/30/2005-08/31/2008
NIH-NIDA \$304,992
Neural Basis of ADHD in Fetal Drug or Alcohol Exposure

This grant uses MRI to compare and contrast the structural and functional deficits in frontal and parietal circuits that underlie ADHD in children with a history of cocaine or alcohol exposure in utero.

SR01 AR050101-03 (Damen) 01/01/2005-11/30/2009
NIH-NIDAMS \$187,740
Biophysical Basis of Muscle Functional MRI

The major goals of this project are to develop MRI based methods to evaluate changes in physiological and biochemical variables during exercise, and how they contribute to observed muscle MRI signals.

SR01 HL059566-09 (Ding) 04/01/2004-03/31/2009
NIH-NHLBI \$99,809
Coronary Artery Dynamic Geometry and Atherosclerosis

The goals of this project are to conduct image based studies of coronary dynamics and to investigate its implications in the development of atherosclerosis (subcontracted from Morton H. Friedman at Duke University).

PENDING

1R01NS05639-01A1 (Anderson) 12/01/2007-11/30/2011
NIH \$250,000
The Biological Basis of Diffusion MRI of the Brain

This project aims to test the correspondence between diffusion MRI and the distribution of myelinated fibers in the primate brain.

Modified Biosketches

CDAs require mentors and sponsors to submit a modified OS document

X. CDMRP-SPECIFIC FORMS

FORM 1

BIOGRAPHICAL SKETCH

Provide the following information for each individual included in the Research & Related Senior/Key Person Profile (Expanded) Form.

NAME	POSITION/TITLE
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training)	
INSTITUTION AND LOCATION	DURATION (IF APPLICABLE)
YEAR(S)	FIELD OF EFFORT

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List in chronological order the titles, all sponsors, and complete references to all publications during the past 3 years and to representative earlier publications pertinent to this application. If the list of publications in the last 3 years exceeds 2 pages, select the most pertinent publications. PAGE LIMITATIONS APPLY. DO NOT EXCEED 4 PAGES FOR THE ENTIRE BIOGRAPHICAL SKETCH PER INDIVIDUAL.

RESEARCH AND PROFESSIONAL EXPERIENCE (CONTINUED): PAGE LIMITATIONS APPLY. DO NOT EXCEED 4 PAGES FOR THE ENTIRE BIOGRAPHICAL SKETCH PER INDIVIDUAL.

DOD Biosketches

DOD has different requirements for biosketches—some may be only 2 pages while others are 4 pages

NSF Biosketches

NSF Biosketches are only two pages for every senior project personnel

NSF Biographical Sketch—Mark A. Hayes, Arizona State University

Mark A. Hayes

a. Professional Preparation:

Humboldt State University, Arcata, California, B. A. Chemistry, 1985
The Pennsylvania State University, Ph. D. in Analytical Chemistry, 1993
University of California, Riverside, 1993-1996, Postdoctoral Advisor: Prof. Werner G. Kuhr

b. Appointments:

2001-present Co-Director Arizona Applied NanoSensors
2002-present Associate Professor, Arizona State University
1996-2002 Assistant Professor, Arizona State University
1994-1996 INRS-Fordoc, University of California, Riverside
1993-1994 Postdoctoral Associate, University of California, Riverside
1989-1993 Research Assistant, The Pennsylvania State University
1987-1989 Chemist, Z&W Scientific, Folsom, California

c. Publications:

Direct Observation of Photo-Switching in Tethered Spiropyran Using the Interfacial Force Microscope. B. C. Bunker, B. I. Kim, J. E. Houston, R. Rosario, A. A. Garcia, M. Hayes, D. Gunt, and S. T. Picman* *Nano Letters*, 2003, 3, 1723-1727.
Microfluidics for Ultrasmall-Volume Biological Analyses, in *Advances in Chromatography*, vol. 42, Phyllis R. Brown & Eli Grushka eds., T. O. Windman, B. J. Wyatt, M. A. Hayes, 2003, Chapter 5, pages 241-268.
Photo-Modulated Wettability Changes on Spiropyran Coated Surfaces. R. Rosario, D. Gunt, M. A. Hayes, F. Jalakia, A. A. Garcia* *Langmuir*, 2002, 18(21), 8062-8069.
The Effects of pH Gradients on Liposomal Charge States Examined by Capillary Electrophoresis. A. N. Phayre, H. M. Vazquez-Farfano, M. A. Hayes* *Langmuir*, 2002, 6499-6503.
Active Control of Dynamic Supraparticle Structures in Microchannels. M. A. Hayes*, N. A. Polson, A. A. Garcia *Langmuir*, 2001, 17(9), 2866-2871.
Controlling Fluids in Small Places: Microfluidics. N. A. Polson, M. A. Hayes* *Anal. Chem.* 2001, 73, 321A-315A.
Electrophoretic Focusing Preconcentration Technique in Continuous Buffer Systems Employing Capillary Electrophoresis Separation Systems. N. A. Polson, D. P. Savin, M. A. Hayes* *J. Microcol. Separa* 2000, 12, 98-106.
Extension of External Voltage Control of Electroosmosis to High pH Buffers. M. A. Hayes* *Anal. Chem.* 1999, 71, 3793-3798.

NSF Biosketches

It includes education, employment, publications, activities & collaborators and other affiliations

NSF Biographical Sketch—Mark A. Hayes, Arizona State University

d. Synergistic Activities:

1999-2001 Served on five NCI special projects review panels.
2002-2004 Served on 2 NIH panels—SIBIR/STTR.
1999-2003 Helped in establishing industrial liaisons with major industrial partners.
2001& 2003 Participated in Western Alliance to Expand Student Opportunities activities.
1997-2002 Helped to renovate undergraduate and graduate teaching curriculum in the dept.
1996-1998 Developed new undergraduate and graduate courses in Analytical Division.
1997 Hosted undergraduate research symposium for students and their advisors.
1996-2002 Developed of research tools for improved handling ultrasmall biological samples.

e. Collaborators & Other Affiliations:

Collaborators: Karl Booksh (ASU), Antonio Garcia (ASU), Piotr Grodzinski (Los Alamos Nat. Lab.), Devens Gunt (ASU), Michael Kozicki (ASU), Kathleen Mast (ASU), Jeff Joyce (Sun Health), Ron Lukas (Barrow Neurological Institute), Stuart Lindsay (ASU), Peter Williams (ASU), Neil Woodbury (ASU), Diemah Sulphur (The Translational Genomic Research Institute), Laurie Lorciano (NIST), Tom Picman (ASU), Anna Joy (The Translational Genomic Research Institute), Michael Berens (The Translational Genomic Research Institute).
Graduate and Post-Doctoral Advisors: Andrew Ewing (Penn State), W. Kuhr (UC Riverside).
Thesis Advisor and Postgraduate-Scholar Sponsor: Nolan A. Polson, Naama K. Harley, Allison Phayre (Brunch), Joseph St. Claire.