

Curriculum Vitae

Joseph Nolen Benoit, Jr.

PERSONAL INFORMATION

Date of Birth	December 14, 1957
Place of Birth	Opelousas, Louisiana
Marital Status	Married, Barbara Caprice Wade (05/18/95)
Children	Adele Marie (04/17/00)

Present Position

Dean of the Graduate School

University of North Dakota
Grand Forks, ND 58202
(August 2001 -)

&

Professor (tenured)

Department of Pharmacology, Physiology & Therapeutics
School of Medicine & Health Sciences
University of North Dakota
Grand Forks, ND 58202

Present Mailing Address

Office

The Graduate School
University of North Dakota
Twamley Hall Room 414
264 Centennial Drive, Stop 8178
Grand Forks, ND 58202

Home

804 Reeves Drive
Grand Forks, ND 58201

Phone

Office

(701) 777-2786 (Administrative Assistant)
(701) 777-4388 (Direct Line)

Home

(701) 746-6687

Mobile

(701) 330-6411

FAX

Office

(701) 777-3619

E-mail

Office

jbenoit@mail.und.edu

Home

jnb57@mac.com

Previous Positions

Professor (tenured)

Department of Physiology
University of South Alabama
College of Medicine
Mobile, AL 36688
(September 1998 – August 2001)

Director of Graduate Studies

Graduate Program in Basic Medical Sciences
 University of South Alabama
 College of Medicine
 Mobile, AL 36688
 (July 2000 – August 2001)

Associate Professor (tenured)

Department of Physiology
 University of South Alabama
 College of Medicine
 Mobile, AL 36688
 (July 1995 – August 1998)

Adjunct Associate Professor

Institute for Micromanufacturing
 Department of Mechanical Engineering
 Louisiana Technical University
 Ruston, LA 71272
 (September 1994 - August 1999)

Associate Professor (tenured)

Department of Physiology and Biophysics
 Louisiana State University Medical Center
 Shreveport, LA 71130
 (July 1992 - June 1995)

Assistant Professor

Department of Physiology and Biophysics
 Louisiana State University Medical Center
 Shreveport, LA 71130
 (June 1987 - June 1992)

Postdoctoral Fellow

Microcirculation Research Institute
 Department of Medical Physiology
 Texas A&M University
 College Station, TX 77843
 (September 1985 – May 1987)

EDUCATION*Graduate***Ph.D., Basic Medical Sciences, 1986**

University of South Alabama
 College of Medicine
 Mobile, Alabama

Undergraduate **B.S.,****Basic Medical Sciences, 1982**

University of South Alabama
 College of Medicine
 Mobile, Alabama

B.S., Biology/Chemistry, 1979

University of Southwestern Louisiana
 Lafayette, Louisiana

POSTDOCTORAL TRAINING

June 1986 - May 1987 Postdoctoral Fellow, Microcirculation Research Institute, Department of Medical Physiology, Texas A&M University, College Station, Texas (Harris J. Granger, Ph.D., Supervisor)

September 1985 - May 1986 Postdoctoral Research Associate, Microcirculation Research Institute, Department of Medical Physiology, Texas A&M University, College Station, Texas (Harris J. Granger, Ph.D., Supervisor)

June - September 1985 Postdoctoral Research Associate, Department of Physiology, University of South Alabama College of Medicine, Mobile, Alabama (D. Neil Granger, Ph.D., Supervisor)

PROFESSIONAL SOCIETY MEMBERSHIPS

- American Physiological Society (1986 - present)
 - Fellow of the Cardiovascular Section, 1996 - present*
 - Committee on Education, 2004 – present*
 - 2007 Physiologist in Residence for Frontiers in Physiology Forum (Airlie, VA)*
- Microcirculatory Society (1986 - present)
 - Nominating Committee, 1989 - 92*
 - Chairman, 1991 - 92*
 - Development Committee, 1995 - 97*
 - Chairman, 1995 - 97*
 - Publications Committee 1997*
 - Awards Committee, 2002 - present*
- American Gastroenterological Society (1987 - 2001)
- American Heart Association
 - Council on Circulation, 1990 - 99*
 - Council on Basic Cardiovascular Sciences, 1999 - present*
- North American Society for Lymphology (1990 - 97)
 - Executive Committee, 1990 - 97*
- International Society for Lymphology (1987 - 97)
 - Special Interest Group on Lymph, Lymphatics and Interstitium (1997 - present)*
 - Advisory Board, 1997-98*
- Sigma Xi (1996 - present)
 - University of South Alabama Chapter*
 - Delegate to Annual Meeting, Vancouver, B.C., 1998*
 - President-Elect, 1998-99*
 - President, 1999-00*
 - Past President, 2000-01*
 - International Association of Basic Science Educators (1997 - 2002)*
- Gulf Coast Physiological Society, *Charter Member* (1999 - 2001)
 - Council Member 1999 - 2001*
- American Association for the Advancement of Science (2000 - present)
- Council of Graduate Schools: UND Institutional Representative (2001 – present)
 - Midwestern Association of Graduate Schools: UND Institutional Representative (2001 - present)
 - Western Association of Graduate Schools: UND Institutional Representative (2001 – present)
 - National Association of State Universities and Land Grant Colleges
 - Council on Research Policy and Graduate Education (CRPGE): UND Graduate School Representative (2001 -)
 - Center for Academic Integrity: UND Institutional Representative (2005 -)
 - American Indian Professional Association: UND Institutional Representative (2006 -)

TEACHING OF MEDICAL, GRADUATE AND UNDERGRADUATE STUDENTSUniversity of South Alabama**1982-84**

Endocrine Section of Medical Physiology [2 h]
Medical Physiology Laboratories on Microcirculation
General Chemistry Laboratory Instructor

1985

Cardiovascular Section of Medical Physiology [2 h]
Pathophysiology of Cirrhosis and Portal Hypertension [1 h]
Medical Physiology Laboratory on Microcirculation
General Chemistry Laboratory Instructor

Texas A&M University College of Medicine**1986**

Neurophysiology Section of Medical Physiology [6 h]

Louisiana State University Medical Center at Shreveport**1987**

Neurophysiology Section of Allied Health Physiology [8 h]
Neurophysiology Section of Medical Physiology [22 h]

1988

Neurophysiology Section of Allied Health Physiology [8 h]
Neurophysiology Section of Medical Physiology [22 h]
Advanced Cardiovascular Physiology II, Peripheral Circulation [5 h]

1989

Neurophysiology Section of Allied Health Physiology [8 h]
Neurophysiology Section of Medical Physiology [22 h]
Advanced Cardiovascular Physiology I, Cardiac Physiology [12 h]

1990

Neurophysiology Section of Allied Health Physiology [8 h]
Neurophysiology Section of Medical Physiology [22 h]

1991

Medical Physiology, 10 lecture hours divided as follows: Homeostasis [1 h], Membrane Physiology [5 h], Skeletal Muscle [2 h], Smooth Muscle [1 h], Autonomic Function [1 h]
Video Microscopy and Microcirculatory Techniques [84 h]
Advanced Cardiovascular Physiology II, Peripheral Circulation [12 h]

1992

Medical Physiology, 10 lecture hours divided as follows: Homeostasis [1 h], Membrane Physiology [5 h], Skeletal Muscle [2 h], Smooth Muscle [1 h], Autonomic Function [1 h]
Advanced Cardiovascular Physiology I, Cardiac Physiology [12 h]

1993

Medical Physiology, 10 lecture hours divided as follows: Homeostasis [1 h], Membrane Physiology [5 h], Skeletal Muscle [2 h], Smooth Muscle [1 h], Autonomic Function [1 h]
Special Topics in Physiology (Neurophysiology for Graduate Students) [24 h]
Advanced Cardiovascular Physiology I, Cardiac Physiology [6 h]
Special Topics in Physiology (Computers & Analog to Digital Processing) [2 h]

- 1994**
Medical Physiology, 10 lecture hours divided as follows: Muscle Physiology [3 h], Respiratory Physiology [7h]
Video Microscopy and Microcirculatory Techniques [32 h]
Advanced Cardiovascular Physiology II, Vascular Smooth Muscle [16 h]
- 1995**
Medical Physiology, 10 lecture hours divided as follows: Homeostasis [1 h], Membrane Physiology [5 h], Skeletal Muscle [2 h], Smooth Muscle [1 h], Autonomic Function [1 h]
Advanced Cardiovascular Physiology II, Peripheral Circulation [12 h]
Special Topics in Physiology (Computers & Analog to Digital Processing, [2 h])

University of South Alabama College of Medicine

- 1995**
Cardiac Physiology: Excitation Contraction Coupling [2h], Receptors and Signal Transduction [2h]
- 1996**
Medical Physiology, 11 lecture hours divided as follows: Membrane Physiology [2h], Muscle Physiology [6h], Muscle Physiology [3h]
Advanced Cardiovascular Physiology, 10 lecture hours divided as follows: Structure of the Vessel Wall [2h], Smooth Muscle Physiology [6h], Local Control of the Circulation [2h]
Physiology Literature Reports, Course Director Spring Quarter 1996
- 1997**
Introduction to Physiology Research [3h]
Medical Physiology, 19 lecture/lab hours divided as follows: Membrane & Muscle Physiology [8 h], Muscle Physiology [4 h], Neurophysiology [1 h], Blood Pressure Lab [6 h]
Physiology Literature Reports, Course Director Spring Quarter 1997
Biomedical Enrichment and Recruitment (BEAR) Program Physiology Course, Membrane Physiology and Muscle Physiology [6 h]
Advanced Cardiovascular Physiology [5 h]
- 1998**
Medical Physiology, 18 lecture/lab hours divided as follows: Membrane Physiology [8 h], Muscle Physiology [4 h], Blood Pressure Labs [6 h]
Advanced Cardiovascular Physiology, Vascular Smooth Muscle Physiology, Lymphatic Physiology, Splanchnic Circulation [10 h]
Videomicroscopy and Microcirculatory Techniques [80 h]
BEAR Program Physiology Course, Membrane & Muscle Physiology [6 h]
Introduction to Physiological Methods [9 h]
- 1999**
Medical Physiology, 20 lecture/lab hours divided as follows: Nerve, Cell and Muscle Physiology [8 h], Neurophysiology [8 h], Neurophysiology Lab [4 h]
Special Topics in Physiology for Graduate Students [6 h]
BEAR Program Physiology Course, Membrane & Muscle Physiology [6 h]
- 2000**
Medical Physiology, 20 lecture/lab hours divided as follows: Nerve, Cell and Muscle Physiology [8 h], Neurophysiology [8 h], Neurophysiology Lab [4 h]
Special Topics in Physiology for Graduate Students [6 h]
BEAR Program Physiology Course, Membrane & Muscle Physiology [6 h]
Advanced Cardiovascular Physiology, 11 lecture hours divided as follows: Structure of the Vessel Wall [1h], Vascular Smooth Muscle Mechanics and Excitation Contraction Coupling [4h], Local Control of the Circulation [2h], Portal Hypertension [2h], Lymphatic Physiology [2h]
Physiology Literature Reports, Course Director Fall Semester

2001

Medical Physiology, 20 lecture/lab hours divided as follows: Nerve, Cell and Muscle Physiology [8 h], Neurophysiology [8 h], Neurophysiology Lab [4 h]

University of North Dakota

2001

Cellular and Molecular Foundations of Biomedical Science (BIMD 500), Research Ethics and Regulatory Compliance [4 h]

2002

Pharmacology for Graduate Students: Calcium & Calcium Blocking Agents, Vasodilators, Hypotensives, and Antihypertensive Agents, Gastrointestinal Pharmacology [4 h]
BIMD 500, Research Ethics and Regulatory Compliance [4 h]

2003

Pharmacology for Graduate Students: Calcium & Calcium Blocking Agents, Vasodilator, Hypotensive and Antihypertensive Agents [4 h], Gastrointestinal Pharmacology [4 h]
BIMD 500; Foundations of Biomedical Science: Research Ethics and Regulatory Compliance [4h]
Undergraduate Honors Engineering: The Heart as a Pump and Heart Valves [4 h]
Block II Medical Student Lectures: Pharmacology of Drugs that Affect Cardiac Function, Pharmacology of Vasodilators, Calcium Channel Blockers, Hypotensives, Antihypertensives & Vasoconstrictors [3 h]

2004

Undergraduate Honors Engineering: The Heart as a Pump and Heart Valves [4 h]
Physiology for Graduate Students; Gastrointestinal Physiology [6 h] (*November 2004*)
BIMD 500; Foundations of Biomedical Science: Research Ethics and Regulatory Compliance [4h] (*December 2004*)

2005

Educational Leadership Doctoral Students: Curriculum Evaluation & Development [2 h]

2006

College of Nursing: Professional Writing Workshop

2007

Seminars in Pharmacology, Physiology & Therapeutics: Critically Evaluating the Primary Literature

2008

Seminars in Pharmacology, Physiology & Therapeutics: Critically Evaluating the Primary Literature
Medical Physiology: Body Fluid Compartments and Regulation of Total Body Water

COMMITTEE & ADMINISTRATIVE RESPONSIBILITIES

LSUMC COMMITTEE ASSIGNMENTS

1987-90

Biosafety Committee
Chairman, 1989-90

1988-90

Overton Brooks Veterans Administration Hospital Research and Development Committee, LSUMC Dean's Representative

1988-93

Research Advisory Committee

1989-90

Equipment Committee for Biomedical Research Institute

1990-92

Elected Faculty Council
Subcommittee on Student Remediation, 1992

1991-93

Overton Brooks Veterans Administration Hospital Animal Care and Use Committee,

LSUMC Representative

1991-94

LSUMC Institutional Animal Care and Use Committee

1992-95

Medical Communications Committee

1993-95

Committee on Computing

1993-95	Elected Faculty Council <i>Secretary, 1993</i> <i>Chairman, Subcommittee on Security, 1993</i> <i>Subcommittee on Student Remediation, 1994</i>
1994-95	Integrated Advanced Information Management Systems (IAIMS) Workgroup
1994-95	LSUMC Faculty Appeals Committee

LSUMC DEPARTMENT OF PHYSIOLOGY DUTIES

1987-91	Department Seminar Program Organizer
1993-95	Director, Confocal Microscopy Laboratory

UNIVERSITY OF SOUTH ALABAMA COMMITTEE ASSIGNMENTS

1995-97	Summer Medical Student Research Committee <i>Chairman, 1996-97</i>
1995-2001	Research Cytometry Core Advisory Committee <i>Chairman, 1998-99, 1999-2000, 2000-01</i>
1995-96	Distinguished Scientist Seminar Program Committee
1995-97	Medical School Committee on Admissions (Ad Hoc Member)
1997-98	Secretary of Graduate Faculty in Basic Medical Sciences
1997-2000	Medical School Committee on Admissions (Full Member)
1998-2001	Faculty Committee on Appointments, Promotions, and Evaluations
1998-99	Faculty Senate <i>Planning Committee</i>
1999-2001	University of South Alabama Research Committee (USARC) <i>Research Forum Committee, 1999-2000</i>
1999-2001	Institutional Animal Care and Use Committee <i>Vice-Chair, 1999-01</i>
1999-2001	Cancer Biology Advisory Committee
2000-01	Faculty Senate <i>Evaluations Committee, 2000-</i>
2000-01	Medical School Committee on Admissions (Ad Hoc Member)
2000-01	Distinguished Scientist Seminar Program Committee
2000-01	Transgenic Core Advisory Committee
2000-01	Medical Student Promotions & Evaluations Committee
2000-01	Chairman of Basic Medical Sciences Graduate Faculty
2000-01	University of South Alabama Graduate Council
2001-01	Cancer Institute:Basic/Translational Research Task Force
2001-01	Search Committee for Chair, Department of Surgery
2001	President's Select Committee on Short, Medium & Long-Term Response to Reduced State Appropriations

UNIVERSITY OF SOUTH ALABAMA DEPARTMENT OF PHYSIOLOGY DUTIES

1995-96	Department Seminar Program Organizer
1996-2000	Director of Graduate Studies for Department of Physiology
1997-2001	Developed and managed WEB site and server for Department
2000-01	Department Seminar Program Organizer

UNIVERSITY OF NORTH DAKOTA

2001-present Dean of the Graduate School

As Dean, I serve as the Head of the Graduate Faculty and Chief Administrative Officer of the Graduate School. I am responsible for providing administrative oversight for all graduate degree and certificate programs. The UND Graduate School enrolls approximately 2,000 students.

Major Accomplishments as Dean of the Graduate School:

Revision of the Graduate Faculty Constitution

A committee was convened (Fall 2001), and the Graduate Faculty Constitution was completely revised. The old constitution was more than 20 years old. The new constitution was ratified by the Graduate Faculty (October 2002). The 2002 constitution was reviewed and amended as part of a regular schedule to keep the Graduate Faculty governing document current. The amendments were approved at an April 2006 meeting of the Graduate Faculty and will take effect in August 2006.

Reorganized Graduate Faculty into Academic Areas

Prior to 2002, Graduate Faculty representation on the graduate committee was based along academic college lines. To provide better representation of the graduate faculty that would be inclusive of interdisciplinary programs, thirteen academic areas were created: Aerospace Sciences, Basic Medical Sciences, Business, Education, Engineering, Fine Arts, Health Sciences, Humanities, Human Development, Natural Sciences, Nursing, Social Sciences, and Speech & Language. Graduate Committee representation was changed to reflect the academic areas. Also a student member was added to the committee.

Initiated an Annual Graduate School Scholarly Forum

The Scholarly Forum is a multi-day celebration of research and scholarly activity held during the Spring semester. The first Scholarly Forum was held in Spring 2002. The purpose of the forum is to provide a venue for highlighting the scholarly achievement of students (undergraduate & graduate), postdoctoral fellows, and faculty. The forum typically features scholarly talks, poster presentations, art exhibits, musical performances and theatrical productions. At least one keynote speaker of national prominence is hosted by one of the graduate programs. The Graduate School Scholarly Forum is the only scholarly event on campus that is campus-wide. In 2008, I added two Dean's Hour Lectures to the Forum that feature research presentations from pre-tenured assistant professors. This is the only campus-wide lecture series dedicated to junior faculty.

New Programs Launched since 2001

Ph.D. Programs:

Atmospheric Science, Communication & Public Discourse, Communication Sciences & Disorders, Criminal Justice, Earth Systems Science & Policy, History, Music Education, Nursing and Scientific Computing.

Professional Doctoral Program:

Physical Therapy (D.P.T.)

Master's Programs:

Accountancy, Applied Economics, Earth Systems Science & Policy, Forensic Psychology, Geological Engineering, Occupational Therapy, Physician Assistant Studies, and Technology Education.

Graduate Certificate Programs:

Autistic Spectrum Disorders, Clinical Laboratory Science Management, Geographic Information Science, , Psychiatric & Mental Health Nursing: Clinical Nurse Specialist, Psychiatric & Mental Health Nursing: Nurse Practitioner, Math for Middle School Teachers, General Science for Middle School Teachers, Biology for High School Teachers, Chemistry for High School Teachers, Physics for High School Teachers.

Graduate School Printed Materials

Since 2001, I have initiated the development of a master's and doctoral student handbook, a welcome guide for new students, a new graduate school viewbook, a new graduate assistant handbook, and program fact-sheets.

The Graduate Academic Catalog has been updated three times since 2001. A major revision is planned for 2008.

Established Graduate Faculty, Graduate Student and Graduate Administrative Staff List-serves

List serves were set up for facilitating communication between the Graduate School and Graduate Faculty or Graduate Students. A list-serve specifically for staff members in other administrative offices as well as departmental and program offices was subsequently added. The list-serves were created to replace paper memos which were taking approximately one week to print and distribute. We can now reach students and faculty within minutes.

Expanded Graduate Student Orientation

Orientation was expanded to include a graduate research assistant orientation. Fall orientation now consists of a general student orientation, a graduate research assistant orientation, and a graduate teaching assistant orientation. A one day spring orientation was added in 2003.

Initiated a Fall Welcome-Back Barbeque

This event is for new and returning students, and graduate faculty (2003). This is now an annual event.

Initiated a Graduate Faculty Orientation (2003)

Orientation sessions for newly appointed graduate faculty are held in the fall and spring semester. The sessions are designed to acquaint the faculty with graduate school policies and their responsibilities as members of the graduate faculty.

Instituted an Online Application (2003)

I contracted with Princeton Reviews to provide an online application solution for the UND Graduate School. In less than one year, we are receiving approximately 70% of our applications through the online solution.

Graduate Dean's Hour

An open luncheon forum for graduate students was instituted in November 2004. The luncheons are designed to provide students with an opportunity to meet with me in an informal setting. There is

no preset agenda for the luncheons. This was replaced by the Graduate School Chautauqua Series in Fall 2007.

Academic Capacity Analysis (ongoing)

Since 2001, the UND Graduate School has seen an approximate 33% increase in enrollment. Undergraduate enrollment has also increased. To guide future graduate school enrollment planning, I worked with an educational consulting group to develop an academic capacity analysis that will help to guide enrollment growth and resource allocation on our campus.

Assessment of Student Learning (ongoing)

I hosted workshops with the Assistant Provost to guide graduate program directors through the development and implementation of outcomes based assessment of student learning plans in all graduate programs. (Fall 2004). Follow up meetings were held in Spring 2005 as assessment plans were being submitted by the individual programs. An Associate Dean of the Graduate School was appointed to oversee assessment activities of the Graduate School (November 2005). My goal is to develop a culture of assessment across the campus that is embraced by the faculty as a means to continuously improve our academic offerings.

Reorganization of Graduate School Office (Summer 2005, ongoing)

The Graduate School office was reorganized to reduce redundancy and increase efficiency. Major changes included elimination of the Assistant Dean position which was a staff position and creation of an Associate Dean position with faculty rank; creation of three divisions within the graduate school: Graduate Admissions & Assistantships, Graduate Records & Graduation, and Graduate School Administration & Budget; and creation of two new positions: Admissions Assistantships Clerk and a Receptionist/Document Imaging Clerk. I also added student assistants to provide additional support for the full time staff. A fourth Division of Marketing and External Relations was created and staffed (January 2007). The function of this division is marketing, recruitment and development/fundraising. A budget clerk was added in December 2007.

Prepared Graduate School Strategic Plan (2004-05)

This was a unit level strategic plan submitted to the President's office in support of institutional level strategic goals set by the President.

Created New Position and Appointed Associate Dean of the Graduate School (November 2005)

The Associate Dean reports to the Dean and is responsible for coordinating assessment and program evaluation activities of the Graduate School. The Associate Dean serves as the point of contact between my office and the Assistant Provost for Assessment.

Created the Graduate School E-Letter (July 2006)

The E-Letter replaces a paper publication that previously was published three times a year. The E-Letter will be published regularly during the academic year and once during the summer. The E-Letter will include information for faculty and graduate students regarding the activities of the Graduate School. The Graduate School

E-Letter was transformed from a monthly WEB based publication to a weekly email communiqué in late 2007. Different versions of the communiqué appropriate to the target audience are sent to graduate faculty, graduate students, and department/program administrative staff.

Upgraded the Graduate School Student Management Database (July 2006, ongoing):

I worked with members of my staff and private consultants to completely revise our working database that manages all aspects of student records from inquiry to graduation. The new GradStats database greatly enhances our ability to generate reports, analyze trends and track student activities. A WEB based enquiry page for prospective students has subsequently been interfaced with the database. WEB based real-time reports that can be accessed by department chairs and program directors are currently being tested and will be available in Spring 2008.

Instituted the use of a Document Imaging and Workflow Solution in the Graduate School (2005-06, ongoing):

This initiative is geared to moving the office to a paperless environment. All paper documents entering the office are scanned and entered into electronic student files that that allows office staff to retrieve and work on student files electronically. We can share portions of the electronic files with the Registrar's and Financial Aid Offices. Imaged documents can be easily tracked, annotated and archived.

The Graduate School Chautauqua Series (Fall 2007-)

I am presently working with a group of Graduate Faculty and Graduate Students to launch a new educational series devoted to honing the professional skills of graduate students and faculty. The 2007-08 series will cover three major topics: 1) Effective Teaching, 2) Publishing Scholarly Work, and 3) Verbally Communicating Scholarly Work. Chautauqua workshops are held at three-week intervals throughout the fall and spring semesters.

Graduate Enrollment Management Recruitment Partnership (2008 -)

The Graduate School partnered with Student and Outreach Services, the Provost's Office, and the Division of Continuing to secure appropriate funding in support of an Assistant Director for Enrollment Management: Graduate Recruitment, and a Graduate Recruiter along with an operating budget for recruitment. The Partnership will be shepherded by a Graduate Enrollment Management Council which is chaired by the Dean of the Graduate School.

Founded Graduate Enrollment Management Council (2008-)

The Graduate Enrollment Management Council is advisory to the Dean of the Graduate School and Associate Vice-President for Enrollment Management on matters related to the recruitment of new students. The Council also provides oversight of the Graduate Enrollment Management Partnership and assists the partnership in securing additional resources for recruitment. Membership on the Council includes: Dean of the Graduate School (Chair), Associate Vice-President for Enrollment Management (Vice-Chair), Vice-President for Research, Executive Associate Vice-President for

University Relations, Associate Provost, Dean of Outreach Programs, Director of the International Centre, Graduate Faculty Members (2), and Graduate Students (2).

Committees & Councils

Graduate Committee (2001-present)

The Graduate Committee is the executive committee of the Graduate Faculty that advises the Dean in matters involving graduate school policy, curriculum, and program evaluation. The Graduate Committee meets weekly during the academic year.

Dean's Council (2001-present)

The Dean's Council meets two to three times a month and is advisory to the Provost.

Subcommittee on Promotion Procedures: This subcommittee is charged with reviewing the University procedures for faculty promotion and for bringing specific recommendations on improving the process to the Council of Deans.

Subcommittee to Develop Maternity Leave/Breastfeeding Policy: This subcommittee is charged with developing a maternity leave and breastfeeding policy for faculty and graduate students.

Honorary Degrees Committee (2001-present, Chair 2001-02)

This committee is responsible for reviewing nominations for honorary doctoral degrees and forwarding recommendations to the University Senate for approval.

Vice-President for Research Search Committee (2001-2002)

This campus-wide committee was charged with reviewing and ranking applications for this newly created position on our campus. The search was successful.

University Senate (2001-present)

As Dean of the Graduate School, I serve on the senate as an *ex-officio* member.

Faculty Promotion Review (2001-present):

As Dean of the Graduate School, I am responsible for reviewing the promotion files of all graduate faculty members whose dean reports to the Provost/VPAA and to provide my specific recommendations for promotion to the Dean of the College in which the faculty member is appointed. This letter becomes part of the promotion packet.

Chester Fritz Distinguished Professorship Selection Committee (2001-present):

As Dean of the Graduate School, I chair the committee that reviews nominees for UND's highest faculty award, the Chester Fritz Distinguished Professorship.

Awards Committee for Annual Founders Day (2001-2003)

This committee reviews the nominations for best faculty researcher and best research department which are awarded at the annual Founder's Day Banquet.

North Central Accreditation Self-Study Steering Committee (2002-03)

The Steering Committee was responsible for writing and editing the UND Self-study for the Fall 2003 accreditation visit of the NCA Higher Learning Commission.

University of North Dakota Research Council (2002-present)

The UND Research Council is a campus wide advisory to the President and Vice-President for Research on matters involving research and creative activity. I served as Chair of the Research Council from January 2002 – October 2002 when a permanent Vice-President for Research was named.

Subcommittee on Strategic Planning (Stratplan II): F&A cost allocation, tuition waivers, technology transfer (2004 -2005)

Subcommittee on Strategic Planning (Stratplan II): Faculty promotion & tenure criteria (2004-2005)

Department of Pharmacology, Physiology & Therapeutics Promotion and Tenure Review Committee (2002-present)

This departmental committee is composed of senior faculty members from the department and tasked with providing recommendations to the chair on matters involving promotion and tenure assistant and associate professors in the department.

President's Council on Public Relations and Marketing (2002-present)

The Public Relations and Marketing Council advises the President and the Office of University Relations on matters of institutional communication and integrated marketing. This committee has not been active during the 2005-06 academic year.

Center of Biomedical Research Excellence (COBRE) in Neuroscience Internal Mentoring Committee (2002-present)

The internal mentoring committee consists of senior NIH funded investigators who provide guidance to the junior faculty investigators in the COBRE on matters of research publications, grant writing and general career development. The COBRE is a \$10 million grant from the National Institutes of Health.

North Dakota Biomedical Research Infrastructure Network (BRIN) Steering Committee (2002-present)

The BRIN Steering Committee comprised of senior investigators representing the institutions served by the grant. This committee serves in an advisory capacity to the P.I. of the grant. The BRIN was recently renewed as an INBRE grant totaling \$15 million.

UND Senate Administrative Procedures Committee (2003–2005)

The Administrative Procedures Committee reviews academic petitions of students and brings forth recommendations to the University Senate or Student Senate regarding academic policy.

UND College of Nursing Dean Search Committee (2004-2005):

Search Committee Chair. The search resulted in the hiring of Dr. Chandice Covington from UCLA.

Provost's Committee on Classroom Space Utilization (2004-2005):

This committee was charged with reviewing the use of all classroom space on campus and proposing a master space plan for the assignment and utilization of classroom space.

North Dakota Council for Teacher Education (2001 – 2005)

The Council for Teacher Education which was comprised of various government/academic stakeholders involved in teacher education including, the North Dakota University System (NDUS), the ND Education Standards and Practices Board and the ND Department of Public Instruction. The Council met regularly to discuss factors governing and affecting the training of teachers in North Dakota. The Council for Teacher Education was inactivated by the Vice-Chancellor of the NDUS in 2005.

UND General Education Task Force (2005 – 2007):

The General Education Task Force was appointed by the Provost to provide campus level guidance on general education requirements and assessment of these requirements. The committee developed a new "Essential Studies" curriculum. Committee service ended when a new "Essential Studies" curriculum was adopted by the University Senate in May 2007. The "Essential Studies" curriculum is being implemented beginning Fall 2007.

Academic Integrity Task Force (Chair, 2005-):

The Academic Integrity Task Force was appointed by the Provost to assess current institutional perspectives, review current policies and provide recommendations for handling matters of academic integrity on the UND campus. A survey of students and faculty was conducted during the 2006-07 academic year in collaboration with Dr. D. McCabe, Rutgers University & the Center for Academic Integrity. The summary report with policy recommendations is currently being written.

College of Nursing Faculty Mentor Program (2005 – present):

I serve as the faculty mentor for Dr. Cindy Anderson, an Assistant Professor in the College of Nursing.

UND TRIO Program Advisory Board (2005-present):

This Board serves as the steering committee for the TRIO programs on our campus.

Task Force on Canadian Exchange Programs (2006-present):

This task force was created to explore opportunities for academic exchange programs between UND students/faculty and Canadian Universities. A report was filed with the Provost in 2007 as charged.

University Information Technology Council (2006 – present);

This council, formed by the University President, and charged with guiding technology implementation and information technology policy and procedures for the campus.

Chief Information Officer Search Committee (2006-07):

This search committee is charged with screening, identifying and recommending candidates to the University President for the newly created senior executive position of Chief Academic Officer. The search culminated with a successful hire. Lynne Kubeck was appointed CIO effective August 1, 2007.

UND Council on Marketing

This committee was created by the President to provide oversight of a unified marketing and branding initiative on campus. The committee is responsible for providing guidance on the use of brands and sub-brands on the UND campus.

Other Responsibilities as Dean of the Graduate School**Review of all Graduate Faculty Promotion Files**

In accordance with the UND Faculty Handbook and Policies on Promotion & Tenure, I am responsible for critically reviewing all files of members of the graduate faculty seeking promotion (except those in the School of Medicine & Health Sciences) and providing a written evaluation letter to the college dean. My letter is advisory to the college dean and becomes part of the promotion packet that is reviewed by the college promotion committees and forwarded to the provost.

Institutional Coordinator for National Research Council Study on the Doctorate

I was appointed institutional coordinator for the NRC Study by the President of UND. In this capacity I am responsible for oversight of all data collection and reporting for the University of North Dakota as we participate in the study.

STUDENTS AND FELLOWS SUPERVISED

Charles L. Mesh, M.D. (Postdoctoral Fellow, 1988)
 Stephen H. Thomas (Medical Student, 1987-90)
 Takashi Joh, M.D. (Postdoctoral Fellow, 1989-91)
 Zhi-Yong Wu, M.D., Ph.D. (Postdoctoral Fellow, 1991-94)
 Keith MacCannell, M.D., Ph.D. (Visiting Professor, 1991)
 Sarah Jerome (Ph.D. Graduate Student, 1992-1995)*
 Kristine Phillips (Ph.D. Graduate Student, 1990-1993)*
 Michelle Joiner, B.S. (LSU-S Undergraduate Honors Thesis; Medical Student 1988-93)
 Mitchell Lambert, B.S. (LSU-S Undergraduate Student, 1991-92)
 Charles Joyce, M.D. (Postdoctoral Fellow, 1992)
 Hong Gao, M.D., Ph.D. (Postdoctoral Fellow, 1992 - 96)
 Shin Yokoyama, Ph.D. (Postdoctoral Fellow, 1993-95)
 Abass Shaffi, M.D. (Postdoctoral Fellow, 1993-94)
 Josephine Hjoberg (Uppsala University Graduate Exchange Student, 1994)
 Cheng-Tai Wang, M.D., Ph.D. (Postdoctoral Fellow, 1994 -95)
 Lipu Kong (Ph.D. Graduate Student, 1993-95)*
 Mark Taylor (Ph.D. Graduate Student, 1995-99)
 Christopher Baines (Ph.D. Graduate Student 1996-98)*
 Ronald K. McMillon, (Ph.D. Graduate Student, 1995-98)*
 Zhe-Jiao, M.D. (Ph.D. Graduate Student, 1996-97)
 Owen L. Middleton (Undergraduate Student, Summer 1996)
 Bartley Picron (Medical Student, Summer 1996)
 Stephanie Barber (Ph.D. Graduate Student, Fall 1996)
 Matt Tucker (Medical Student, Summer 1997)
 Marion Dunn (Minority Research Program for Science Teachers, Summer 1997)
 Michael Stallworth (Minority Research Program for High School Students, Summer 1997)*
 Jason D. Gardner, Ph.D. (Postdoctoral Fellow, 1997-00)
 Ann-Marie McMahon, Ph.D. (Postdoctoral Fellow 1997-99)
 Johanna Henriksnäs, (Uppsala University Exchange Student, 1998)
 Sunchao Chen (Department of Computer Science Master's Student, 1998-99)*
 Edward Hyndman, III (Medical Student, Summer 1998)
 Chris Heck, (Medical Student, Summer 1998)
 Michael Stallworth (Minority Research Program for High School Students, Summer 1998)
 Ronald K. McMillon (Postdoctoral Fellow, 1998 - 2000)

Travis J. Rutland (Medical Student, Summer 1999, Summer 2000)
 Jason Martin (Medical Student, Summer, 1999)
1st Place Winner, 2000 National Medical Student Research Forum
 Dave Roy (Undergraduate Research, Summer 1999)
 Joey Brashears (Undergraduate Research Student, Summer 1999)
 Anamika Sharma (Undergraduate Research Student, Summer 1999)
 Ashley Hill (Minority Research Program for High School Students, Summer 1999)
 Holly Wimpee (Undergraduate Research Student, Summer 2000)
 Yuichi Shirasawa, MD, Ph.D. (Postdoctoral Fellow, April 2000- December 2002)
 Hai-Ying Zhang, MD, Ph.D. (Postdoctoral Fellow, August 2000 - present)
 Fukuo Komaba (Shinshu University School of Medicine Exchange Program, Matsumoto Japan, February 2001)
 Jessica Penot (Department of Psychology Masters Student, 2000-01)*
 Vidya Putcha (High School Student, 2001-02)
 Qining Qin (Ph.D. Graduate Student, 2001-02)*
 Cindy Anderson (Ph.D. Graduate Student, 2002 - 03)
 Xuesong Chen (Ph.D., Graduate Student, 2002 - 2005)
 Jason Hornbacher *(Ed.D., 2007, Dissertation Committee Member at Large)
 Alexander Johnson* (Ph.D Student, Dissertation Committee Member at Large)

* Not Primary Advisor

EXTERNAL THESIS EXAMINER

Ann-Marie McMahon, Flinders University, Adelaide Australia, 1997

AWARDS AND HONORS

National Research Service Award, NIH-HL-07247. Contractile Properties of Mesenteric Lymphatics, 6/1/86-5/31/87.
 NIH-FIRST Award, R29-HL-40963. Physiology of the Mesenteric Lymphatic Pump, 4/1/89 - 3/31/94.
 American Heart Association Established Investigator Award, July 1991-June 1996.
 Microcirculatory Society Young Investigator Travel Award, 1992.
 Fellow of the Cardiovascular Section of the American Physiological Society, 1996.
 University of South Alabama Distinguished Alumni Award (February 3, 2006)

HISTORY of EXTRAMURAL GRANTS and RESEARCH SUPPORT

Contractile Properties of Mesenteric Lymphatics During Intestinal Fluid and Lipid Absorption. NIH Biomedical Research Support Grant, RR-05814, 4/1/86 - 3/31/87, \$4,500.
Vasoconstrictor Responsiveness in Portal Venous Hypertension. Research Grant-in-Aid from American Heart Association, Louisiana Affiliate, 7/1/87 - 6/30/88, \$10,000
Postprandial Control of Mesenteric Lymphatic Function. NIH Biomedical Research Support Grant, RR-05822, 7/1/88 - 6/30/89, \$14,500.
Intestinal Microcirculation in Chronic Portal Hypertension. Edward P. Stiles Trust Fund, 1/1/88 -12/131/89, \$5,000.
Role of Lymphatic Pumping in Edema Prevention. Edward P. Stiles Trust Fund, 12/1/88 - 11/31/89, \$6,154.
Neurohumoral Interactions in Chronic Portal Hypertension. NIH Biomedical Research Support Grant, 6/1/88-5/31/89, \$9,192.
Laser Scan Confocal Microscope. Louisiana Quality Education Support Fund Enhancement Grant, 4/1/92 -3/31/93, \$292,220.
Physiology of the Mesenteric Lymphatic Pump. NIH-First Award, R29-HL-40963, 4/1/89 - 3/31/94, \$349,938.
Study of the Effects of S-5682 (Daflon, 500 mg) on Intestinal Lymph Flow and Lymphatic Pumping. Protocol PHA 5682.68.US. Institute de Recherches Internationales Servier, Paris. 11/1/92-10/31/93, \$31,769.
Vascular Reactivity Following Ischemia-Reperfusion. NIH Program Project Grant, PO1-DK-43785, Project 3, 4/1/91-3/31/96, \$422,202.
Intestinal Microcirculation in Chronic Portal Hypertension. American Heart Association Established Investigator Award, 7/1/91 - 6/30/96, \$175,000.
The Intestine in Chronic Portal Hypertension. NIH, HL-45559, 2/1/91 - 1/31/97, \$514,562.
The Intestine in Chronic Portal Hypertension. NIH DK51430-07, 7/1/96 - 6/31/00, \$469,959.

Experimental and Computational Analysis of Red Blood Cell Rheology in Sickle Cell Disease. J.N. Benoit and Z. Zheng. USA Sickle Cell Center Intramural Grant, 1/97 – 12/99. \$24,570.

Pathophysiology of the Splanchnic Circulation. NIH 1R13DK54464-01, (Support grant for 1998 FASEB Summer Conference) \$16,809

Role of Collecting Lymphatic Pump in Prevention of Interstitial Edema. J.N. Benoit and A.E. Taylor. Lymphedema Foundation, Inc, 01/01/99–present, \$49,184, [10% Effort]

Advanced Cardiovascular Research for Medical Students. American Heart Association Institutional Predoctoral Fellowship, American Heart Association Southeast Affiliate, 7/1/99 – 6/30/01, \$21,600.

Advanced Cardiovascular Research for Medical Students. American Heart Association Institutional Predoctoral Fellowship, American Heart Association Southeast Affiliate, 7/1/01 – 6/30/03. \$21,600

The Intestine in Chronic Portal Hypertension. NIH DK51430-11, 7/1/00 - 6/31/05, \$900,000. [10% Effort]

Graduate Assistance in Areas of National Need (GAANN) Program in Chemistry at the University of North Dakota. U.S. Department of Education. (H. Abrahamson, Project Director; J.N. Benoit, Co-Project Director). 8/1/03 -7/31/06, \$491,940.

Educational Grant for STEM Disciplines (Martha Potvin, Project Director, J.N. Benoit, Co-Project Director) North Dakota University System (7/09-6/11) \$1.15 million. (Recommended for funding)

EDITORIAL BOARDS

American Journal of Physiology, Gastrointestinal and Liver Physiology (July 1991 - June 1997)

Frontiers in Bioscience (August 1996 - present)

Managing Editor

American Journal of Physiology, Heart and Circulatory Physiology (July 1993 - June 1995)

Microcirculation (1999-2003)

Editor of Special Issue on Gene Transfer to the Vasculature, (2000-01)

EDITORIAL REVIEW (Invited Reviewer)

American Journal of Physiology

Regulatory, Integrative and Comparative Physiology

Heart and Circulatory Physiology

Gastrointestinal and Liver Physiology

Gastroenterology

Hepatology

Journal of Applied Physiology

Proceedings for the Society of Experimental Biology and Medicine

Digestive Diseases and Sciences

American Journal of Gastroenterology

Circulation Research

Journal of Hepatology

Journal of Laboratory and Clinical Medicine

Canadian Journal of Physiology and Pharmacology

Microcirculation

FASEB Journal

Journal of Vascular Research

Clinical Science

Microvascular Research

Molecular Therapy

ILAR Journal

MEETINGS and MEETING SESSIONS ORGANIZED

- 1998** FASEB Summer Conference on Physiology & Pathophysiology of the Splanchnic Circulation, July 19-24, 1998, Wilsonville, OR (Chairman and Organizer)
- 2000** University of South Alabama College of Medicine Graduate Faculty Retreat, October 21, 2000 (Chairman and Organizer)
- 2007** American Physiological Society High School Students and Teachers Day at Experimental Biology Meeting, Washington D.C., April 2007 (APS Education Committee Representative).

GRANT REVIEW

- 1988-93** LSUMC Intramural Grant Review
- 1990** Veterans Administration Merit Review
- 1992-96** American Heart Association, Louisiana Inc.
- 1994** Veterans Administration Merit Review
- 1995** National Science Foundation
- 1995** Tobacco Health Research Institute, Lexington, KY
- 1996** NIH Physiological Sciences Special Emphasis Panel (ZRG2-PSF-3L), March 28, 1996
- 1997** NIH Cardiovascular Sciences CVB Study Section, October 20-21, 1997
- 1998** American Heart Association Southern Research Consortium, Research Peer Review Committee 2 (Regular Study Section Member)
- 1999** American Heart Association Southeastern Affiliate, Research Peer Review Committee 5a (Regular Study Section Member)
- 1999** Veteran's Administration Grant Review
- 1999** National Science Foundation
- 1999** NIH Special Emphasis Panel 05-ZRG1-02-M (4/12/98)
- 1999** NIH Special Emphasis Panel ZRG1 GMA2-21 (6/28-6/29/99)
- 1999** NIH Special Emphasis Panel ZHL1 SRC(99) (9/30/99)
- 2000** American Heart Association Southeastern Affiliate, Peer Review Committee 5a (3/22-3/23/00)
- 2000** NIH Special Emphasis Panel ZRG1 ALTX-4(1) (6/26/00)
- 2000** NIH Special Emphasis Panel ZHL1 CSR (9/28/00)
- 2000** Fonds zur Förderung der Wissenschaftlichen Forshung (FWF) Austria
- 2001** NIH GMA-2 Study Section Ad Hoc Reviewer (January 2001)
- 2001** American Heart Association Southeastern Affiliate, Peer Review Committee 5a (Regular Study Section Member)
- 2006** Kentucky Science and Engineering Foundation

OTHER REVIEW COMMITTEES & ACCREDITATION COUNCILS

- American Gastroenterological Society Abstract Review Committee, Intestinal Disorders (1995, 1997; Chair, 1997)
- Association for the Accreditation and Assessment of Laboratory Animal Care (AAALAC), ad hoc Consultant (6/94 – 6/99)
- AAALAC Council on Accreditation (7/99 – present)
- Nominations Committee for Ad Hoc Consultants and Specialists (2001)*
- AALAS Symposium Organizing Committee (2004, 2005)*
- AAALAC Trust Exploratory Committee (2006-)*
- Committee to Evaluate Rodent Vendor Housing Practices (Chair, 2006-)*
- Texas Tech University Graduate Program in Physiology (*External Reviewer: February 2008*)

EXTRAMURAL COMMITTEES

- 1993-95** Louisiana Board of Regents DoD/EPSCoR Steering Committee (LSUMC-S Representative)
- 1999-2001** Association of American Medical Colleges Group on Graduate Research Education and Training (University of South Alabama Representative)

OTHER SCHOLARLY ACTIVITIES

Scholarly Conferences Attended or Invited to Attend

Strategies for Teaching Medical Sciences in the 21st Century. *Sponsored by the Basic Science Education Forum, Hosted by Medical University of South Carolina, Charleston, SC, June 21-24, 1997.*

AAMC Graduate Research, Education, and Training (GREAT) Conference IV: "Attracting, Supporting, and Retaining the Best," Leesburg, VA, September 25-28, 1997.

NIH Think Tank on Lymphatic Research. Member of Physiology Panel. Natcher Conference Center, NIH, Bethesda, MD, May 11-13, 2000.

AAMC Graduate Research Education and Training (GREAT) Conference. "The Biomedical PhD: Taking Stock of the Degree and the Profession," Savannah, GA, October 15-17, 2000.

Council of Graduate Schools Annual Meeting. 2001, 2003, 2005, 2006, 2007.

Council of Graduate Schools New Deans Workshop. 2002.

Midwestern Association of Graduate Schools Annual Meeting. 2002, 2003.

Western Association of Graduate Schools Annual Meeting. 2002, 2003, 2004, 2006, 2008

National Science Foundation, IGERT Workshop, March 2003.

CGS and ORAU Legislative Conference on Graduate Education and American Competitiveness. Library of Congress, Washington, DC. March 9, 2005.

COMMUNITY ORGANIZATIONS AND SERVICE:

1999-2001	American Heart Association, Mobile, AL Chapter <i>Board of Directors (1999, 2000)</i> <i>Recruitment Leader Heart Walk (1999, 2000)</i> <i>Gumbo Cookoff Committee(1999)</i> <i>Heart Gala Committee (2000)</i>
1999-2000	Science-by-Mail Volunteer Scientist
1999-2001	Lions International, <i>University of South Alabama Chapter</i>
1999-2001	University of South Alabama Jaguar Athletic Club
2000-	University of South Alabama Alumni Association
2000-2001	University of South Alabama Science Olympiad
2001-	Grand Forks Horticultural Society
2001-	North Dakota Museum of Art (Member)
2001-	Member, St. Mary's Catholic Church
2003	Dakota Science Center Butterfly Garden Volunteer
2003	Empire Arts Center Great Dinners Committee
2003-2004	North Valley Arts Council Re-granting Committee (Chair)
2001-	Member, St. Mary's Catholic Church
2007-	St. Michael's Elementary School Parent Teacher Organization

INVITED LECTURES

Role of Humoral Factors in the Hyperdynamic Circulation of Chronic Portal Hypertension. *American Physiological Society Symposium: "Cardiovascular Response to Chronic Portal Hypertension," 71st annual meeting of the Federation of American Societies for Experimental Biology, Washington, D.C., April 1, 1987.*

Portal Hypertension. *Scott & White Symposium "Clinical Disorders Associated with Impaired Splanchnic Circulation: Pathophysiologic Considerations," Sponsored by Scott & White Clinic, Temple, TX and Texas A&M University, December 11, 1987.*

Humoral Factors in Portal Hypertension: *International Symposium on Recent Advances in the Pathophysiology and Treatment of Portal Hypertension. Barcelona, Spain, March 3-4, 1989.*

Physiology of the Lymphatic Pump. *North American Society for Lymphology, Washington, D.C., March 30, 1990.*

Intestinal Microcirculation in Chronic Portal Hypertension. *International Symposium on Systemic and Regional Hemodynamics in Liver Diseases, Bari, Italy, June 3-5, 1990.*

Vasodilator/Vasoconstrictor Interactions in Chronic Portal Hypertension. *Hepatic Pathophysiology Unit, INSERM U-24, Paris, France, June 7, 1990.*

- Contractility of Mesenteric Collecting Lymphatics. *FASEB Summer Research Conference on Physiology and Pathophysiology of the Splanchnic Circulation, Copper Mountain, Colorado, July 22-27, 1990.*
- Hepatic Microcirculation, Normal Physiology. *International Association for the Study of the Liver, Biennial Scientific Meeting, Gold Coast, Queensland, Australia, September 2-3, 1990.*
- Intestinal Microcirculation in Portal Hypertension: *International Association for the Study of the Liver, Biennial Scientific Meeting, Gold Coast, Queensland, Australia, September 2-3, 1990.*
- Contractile Properties of Collecting Lymphatics. *School of Physiology and Pharmacology, University of New South Wales, Sydney, Australia, September 4, 1990.*
- Microscopic Lymphatics: Physiological Considerations. *Department of Physiology, University of South Alabama College of Medicine, Mobile, AL, August 13, 1991.*
- Intestinal Microcirculation in Chronic Portal Hypertension. *Department of Veterinary Biomedical Sciences, University of Missouri, Columbia, MO, March 10, 1992.*
- Adrenergic Regulation of Lymphatic Pumping. *Department of Medical Physiology, Texas A&M University, College Station, TX, April 16, 1992.*
- Intestinal Microcirculation in Chronic Portal Hypertension. *Institute of Physiology, University of Glasgow, Glasgow, Scotland, December 1, 1992.*
- Intestinal Microcirculation in Chronic Portal Hypertension. *Institute of Pharmacology, University of Aarhus, Aarhus, Denmark, December 3, 1992.*
- Microvascular Norepinephrine Responsiveness Following Ischemia/Reperfusion. *Institute of Pharmacology, University of Aarhus, Aarhus Denmark, December 4, 1992.*
- Intestinal Microcirculation in Chronic Portal Hypertension. *Department of Physiology & Biophysics, University of Limburg, Maastrich, The Netherlands, December 7, 1992.*
- Intestinal Microcirculation in Chronic Portal Hypertension. *Department of Physiology, University of Uppsala, Uppsala Sweden, December 14, 1992.*
- Microvascular Norepinephrine Responsiveness Following Ischemia/Reperfusion. *Department of Physiology, University of Uppsala, Uppsala Sweden, December 15, 1992.*
- Intestinal Microcirculation in Chronic Portal Hypertension. *Department of Physiology & Nephrology, University of Lund, Lund Sweden, December 17, 1992.*
- Microvascular Norepinephrine Responsiveness Following Ischemia/Reperfusion. *Department of Nephrology, University of Lund, Lund Sweden, December 18, 1992.*
- Vascular Responsiveness Following Hypoxia/Reoxygenation. *University of Calgary-LSUMC Joint Faculty Retreat, Banff Alberta Canada, June 2-5, 1994.*
- Effects of Hypoxia/Reoxygenation on Vascular Smooth Muscle Contractile Function. *University of South Alabama College of Medicine, Mobile, AL, May 17, 1994.*
- Intestinal Microvascular Response to Chronic Portal Hypertension. *Department of Medicine, University of Calgary, Calgary Canada, June 24, 1994.*
- Altered Vascular Norepinephrine Responses in Chronic Portal Hypertension: Role of cAMP and cGMP Dependent Pathways. *American Heart Association Research Fellowship Symposium, Dallas, TX. November 12-13, 1994.*
- Intestinal Microcirculation in Chronic Portal Hypertension. *Department of Surgery, Ren Ji Hospital, Shanghai Second Medical University, Shanghai, China, November 13, 1995.*
- Intestinal Microcirculation in Chronic Portal Hypertension. *Department of Surgery, The First Affiliated Hospital to Suzhou Medical College, Suzhou, China, November 14, 1995.*
- Intestinal Microcirculation in Chronic Portal Hypertension. *Department of Surgery, Hongzhou Medical University, Hongzhou, China, November 16, 1995.*
- Intestinal Microcirculation in Chronic Portal Hypertension. *Department of Surgery, Peoples Hospital, Beijing Medical University, Beijing, China, November 20, 1995.*
- Hypoxia/Reoxygenation and Vasoconstrictor Function. *Department of Medical Physiology, Texas A & M University, College Station, TX, March 12, 1996.*
- Microvascular Response to Portal Hypertension. *World Congress for Microcirculation, Munich, Germany, August 30, 1996.*
- Pathophysiology of Chronic Portal Hypertension: A Basic Science Perspective. *Surgery Grand Rounds, University of South Alabama, Mobile, AL, January 24, 1997.*
- Cyclic Nucleotide Induced Alterations in Vascular Contractile Function. *Otsuka Pharmaceutical, Rockville, MD, May 13, 1997.*

- Regulation of Vascular Smooth Muscle Contraction. *Department of Cellular and Molecular Physiology, LSU Medical Center, Shreveport, LA, March 30, 1998.*
- The Resistance Vasculature in Chronic Portal Hypertension. *FASEB Summer Research Conference on Physiology and Pathophysiology of the Splanchnic Circulation. Wilsonville, OR, July 19-24, 1998.*
- Lymphatic Function in the Small Intestine. *18th World Congress of the International Union of Angiology, Tokyo, Japan, September 14-18, 1998.*
- Cyclic nucleotide mediated alterations of vascular smooth muscle contractile function. *Department of Physiology, University of Texas Health Sciences Center, San Antonio, TX, April 26, 1999.*
- Modulation of vascular smooth muscle contraction by cyclic nucleotides: Ca²⁺ dependent and independent mechanisms. *Department of Physiology, Tulane University Medical School, New Orleans, LA, June 5, 2000.*
- Cyclic nucleotide induced modulation of vascular smooth muscle. *Department of Surgery, Ren Ji Hospital, Shanghai Second Medical University, Shanghai, P.R. China, August 1, 2000.*
- Intestinal Vascular Response to Chronic Portal Hypertension: The Consequences of Shifting the Vasoregulatory Balance. *USDA Grand Forks Human Nutrition Research Center. August 27, 2002.*
- Training the trainee and research staff: The IACUC's Responsibility to the Often Forgotten. *American Association for Laboratory Animal Science, Tampa, FL October 2004*
- Contracting in research to universities: What are the issues? *American Association for Laboratory Animal Science, St Louis, MO. November 2005.*
- Humoral Factors, Myosin Phosphorylation, Actin Polymerization and The Vascular Complications of Chronic Portal Hypertension. *Department of Molecular & Cellular Physiology. LSU Health Science Center, Shreveport, LA. April 23, 2008.*

CONTRIBUTIONS TO THE SCHOLARLY LITERATURE

DISSERTATION

Mechanisms involved in the pathogenesis of chronic portal venous hypertension. University of South Alabama College of Medicine, 1985. Major Advisor: D. Neil Granger, Ph.D.

ABSTRACTS

1. **Benoit, J.N.**, M.A. Perry and D.N. Granger. Effect of charge on blood exchange of dextrans in cat small intestine. *Fed. Proc.* 42: 341, 1983.
2. Anzueto, L., **J.N. Benoit**, V. Pitts and D.N. Granger. A rat model for whole organ studies of the intestinal microcirculation. *Fed. Proc.* 42: 341, 1983.
3. **Benoit, J.N.** and D.N. Granger. Microvascular pressure profile in normal rat liver. *Microvas. Res.* 27: 234, 1984.
4. Granger, D.N., **J.N. Benoit**, J.A. Barrowman, P.R. Kvietys and S.L. Harper. Factors responsible for the intestinal hyperemia associated with chronic portal hypertension. *Gastroenterology* 86(5): 1096, 1984.
5. Korthuis, R.J., **J.N. Benoit**, P.R. Kvietys, A.E. Taylor and D.N. Granger. The role of humoral factors in the skeletal muscle hyperemia associated with chronic portal hypertension. *Fed. Proc.* 44(4): 1201, 1985.
6. Harper, S.L., D.N. Granger and **J.N. Benoit**. Cerebral microvascular responses to antihypertensive treatment in SHR. *Microvas. Res.* 29: 224, 1985.
7. **Benoit, J.N.**, W.A. Womack, L. Hernandez and D.N. Granger. "Forward" and "Backward" flow mechanisms of portal hypertension: Relative contributions in the portal vein stenosed rat. *Gastroenterology* 88(5): 1650, 1985.
8. Womack, W.A., **J.N. Benoit**, R.J. Korthuis, S.L. Harper and D.N. Granger. Effects of chronic portal hypertension on intramural blood flow distribution in the gastrointestinal tract of the rat. *Gastroenterology* 88(5): 1706, 1985.
9. Granger, D.N., D. Adkison, M.E. Hollwarth, **J.N. Benoit**, D.A. Parks, J.M. McCord and P.R. Kvietys. Role of oxygen free radicals in ischemia-reperfusion injury to the liver. *Gastroenterology* 88(5): 1662, 1985.

10. **Benoit, J.N.** and D.N. Granger. Intestinal microvascular alterations associated with chronic portal hypertension. *Fed. Proc.* 45(3): 417, 1986.
11. Korthuis, R.J., **J.N. Benoit**, P.R. Kvietys, A.E. Taylor and D.N. Granger. Effects of experimental diabetes mellitus on splanchnic blood flow in the rat. *Fed. Proc.* 45(3): 416, 1986.
12. Premen, A.J., V. Banchs, V.L.W. Go, **J.N. Benoit** and D.N. Granger. Characterization of renal hyperemia in portal hypertensive rats. *Fed. Proc.* 45(3): 303, 1986.
13. Granger, D.N., **J.N. Benoit**, B. Zimmerman, A. Premen and V.L.W. Go. Role of glucagon in splanchnic hyperemia of chronic portal hypertension. *Gastroenterology* 90(5): 1729, 1986.
14. Womack, W.A., J.A. Barrowman, W.H. Graham, **J.N. Benoit**, P.R. Kvietys and D.N. Granger. Quantitative assessment of villous motility. *Gastroenterology* 90(5): 1800, 1986.
15. Korthuis, R.J., **J.N. Benoit**, V.H. Pitts, L. Hernandez, A.E. Taylor and D.N. Granger. Effects of experimental diabetes mellitus on microvascular fluid and solute exchange. *Proceedings of the XXX Congress of the International Union of Physiological Sciences* 16:359, 1986.
16. **Benoit, J.N.**, A.H. Goodman and H.J. Granger. Quantitative evaluation of the contractile properties of mesenteric transporting lymphatics. *The Physiologist* 29(4): 159, 1986.
17. **Benoit, J.N.**, D.C. Zawieja and H.J. Granger. Contractile properties of mesenteric collecting lymphatics during periods of enhanced lymph flow. *Fed. Proc.* 46: 1521, 1987.
18. Zawieja, D.C., **J.N. Benoit** and H.J. Granger. Coordination of lymphatic pumping, A theoretical model. *Fed. Proc.* 46: 1546, 1987.
19. Smith, J.K., L. Yrle, **J.N. Benoit**, D.N. Granger and R.J. Korthuis. Role of glucagon in the intestinal hyperemia associated with experimental diabetes mellitus. *Fed. Proc.* 2(5): A741, 1988.
20. Sekizuka, E. **J.N. Benoit**, M.B. Grisham and D.N. Granger. Neutrophil adherence in rat colonic microcirculation: Effects of 5-aminosalicylic acid, sulfapyridine and hydrocortisone. *Gastroenterology* 94(5): A418, 1988.
21. Russell, J., **J.N. Benoit**, M.B. Grisham and D.N. Granger. Leukocyte adherence to microvascular endothelium during ischemia-reperfusion. *The Physiologist* 31(4): A31, 1988.
22. Granger, D.N., J. Russell, M.B. Grisham and **J.N. Benoit**. Xanthine oxidase inhibition attenuates ischemia-reperfusion induced leukocyte extravasation. *The Physiologist* 31(4): A31, 1988.
23. Tso, P., J. Bergstedt and **J.N. Benoit**. Evidence that pluronic L-81 acts intracellularly to prevent chylomicron formation. *Fed. Proc.* 3(3): A375, 1989.
24. **Benoit, J.N.**, S.H. Thomas and T. Joh. Bile acids as partial mediators of the splanchnic hyperemia of chronic portal hypertension in the rat. *Gastroenterology* 96(5): A39, 1989.
25. Joh, T., D.N. Granger and **J.N. Benoit**. Intestinal microvascular responsiveness to norepinephrine in normal and portal hypertensive rats. *Gastroenterology* 96(5): A241, 1989.
26. Mesh, C.L., **J.N. Benoit**, M.B. Grisham, R.J. Korthuis and D.N. Granger. Hepatic antioxidant profile in portacaval shunted rats. *Gastroenterology* 96(5): A241, 1989.
27. Granger, H.J., D.M. Gawlowski and **J.N. Benoit**. Venular micropressure and transmucosal flux of macromolecules following activation of neutrophils in hamster cheek pouch. *Fed. Proc.* 3(3) A272, 1989.

28. **Benoit, J.N.** Flow generating properties of mesenteric collecting lymphatics during acute increases in lymph formation. *The Physiologist* 32(4): 157, 1989.
29. **Benoit, J.N.**, D.C. Zawieja and H.J. Granger. Intestinal lymphatic response to FMLP-induced inflammation. *FASEB J.* 4(3): A274, 1990.
30. **Benoit, J.N.**, S.H. Thomas and T. Joh. Relationship between portal flow and pressure during the development of portal hypertension. *Gastroenterology* 98(5): A159, 1990.
31. Joh, T., D.N. Granger and **J.N. Benoit**. Differential control in the intestinal microcirculation: Role of endogenous vasoconstrictors. *Gastroenterology* 98(5): A178, 1990.
32. Joh, T., D.N. Granger and **J.N. Benoit**. Altered intestinal microvascular sensitivity to norepinephrine in portal hypertension: Role of vasodilators. *Gastroenterology* 98(5): A178, 1990.
33. **Benoit, J.N.**, R.J. Korthuis and M.B. Grisham. Intestinal vascular responsiveness to norepinephrine following ischemia/reperfusion. *FASEB J.* 5(6): A1732, 1991.
34. Joh, T., P.R. Kvietys, M.A. Perry, D.N. Granger and **J.N. Benoit**. Ethanol-induced gastric and intestinal mucosal injury in chronic portal hypertension. *Gastroenterology* 100(5): A756, 1991.
35. **Benoit, J.N.**, T. Joh and D.N. Granger. Endogenous vasoconstrictor tone in the portal hypertensive intestinal microcirculation. *Gastroenterology* 100(5): A197, 1991.
36. **Benoit, J.N.** R.J. Korthuis and M.B. Grisham. Impaired microvascular responsiveness to norepinephrine following ischemia/reperfusion: Role of superoxide. *Fifth World Congress for Microcirculation*, Louisville, Kentucky, 1991.
37. **Benoit, J.N.** Adrenergic modulation of lymphatic contractility. *Fifth World Congress for Microcirculation*, Louisville, Kentucky, 1991.
38. Joiner, S.M. and **J.N. Benoit**. Role of EDRF in modulating vasopressin responsiveness in the normal and portal hypertensive intestine. *FASEB J.* 6(5): A2076, 1992.
39. Lambert, M.W. and **J.N. Benoit**. Mathematical model of intestinal lymph flow and lymphatic pumping. *FASEB J.* 6(2): A2078, 1992.
40. Harris, N.R., **J.N. Benoit** and D.N. Granger. Platelet-activating factor increases fluid filtration from capillaries in rat mesentery. *FASEB J.* 6(2): A2037, 1992.
41. Wu, Z. and **J.N. Benoit**. Altered vascular norepinephrine sensitivity in portal hypertension: Role of portosystemic shunting. *Gastroenterology* 102(4): A254, 1992.
42. Wu, Z. and **J.N. Benoit**. Non-receptor mediated intestinal vasoconstrictor effectiveness in portal hypertension. *Gastroenterology* 102(4): A254, 1992.
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Manuscripts In Preparation

1. Chen X, K. Pavlish and **J.N. Benoit**. Regulation of Actin Polymerization by HSP20 in Vascular Smooth Muscle (*in preparation*).

CHAPTERS IN BOOKS

1. Granger, D.N., M.A. Perry, P.R. Kvietys, D.A. Parks and **J.N. Benoit**. Metabolic, myogenic and hormonal factors in local regulation of alimentary tract blood flow. In *Microcirculation of the Alimentary Tract - Physiology and Pathophysiology*. A. Koo, S.K. Lam and L.H. Smaje, Eds., World Scientific Publishers, Singapore, 131-142, 1983.
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