

## CURRICULUM VITAE

**DATE:**

Aug. 14, 2018

**NAME:**

Steven R. Bergmann, M.D., Ph.D.

**PRESENT TITLE:**

Senior Vice President for Medical Affairs  
Penn Medicine/Princeton Health  
Plainsboro, NJ

Chair, Department of Medicine  
Penn Medicine/Princeton Health  
Plainsboro, NJ

Associate Dean for Academic Affiliate-Medical School Relationships  
Rutgers/Robert Wood Johnson Medical School  
New Brunswick, NJ

**OFFICE ADDRESS:**

Department of Medicine  
Penn Medicine/Princeton Health  
Medical Arts Pavilion  
5 Plainsboro Road  
Suite 350  
Plainsboro, NJ 08536

**TELEPHONE NUMBER:**

609.853.7220

**EMAIL ADDRESS:**

sbergmann@princetonhcs.org

**CITIZENSHIP:**

United States

**EDUCATION:**

- |           |   |         |
|-----------|---|---------|
| <b>A.</b> | George Washington University<br>Washington, DC            |         |
|           | B.A. (Zoology)  | 05/1972 |
| <b>B.</b> | Hahnemann Medical College<br>Philadelphia, PA             |         |
|           | Ph.D. (Physiology & Biophysics)                           | 06/1978 |
| <b>C.</b> | Washington University School of Medicine<br>St. Louis, MO |         |
|           | M.D.  | 05/1985 |

**POSTGRADUATE TRAINING:**

- |           |   |
|-----------|---|
| <b>A.</b> | Intern<br>Barnes-Jewish Hospital<br>St. Louis, MO |
|-----------|---|

## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

- Internal Medicine  
07/1986–06/1988 (done half-time)
- B. Resident  
Barnes-Jewish Hospital  
St. Louis, MO  
Internal Medicine  
07/1994–06/1996
- C. Fellow in Cardiovascular Disease  
Washington University Program  
St. Louis, MO  
07/1988–06/1990
- D. Specialized Training in Nuclear Cardiology  
Mallinckrodt Institute of Radiology  
St. Louis, MO  
01/1994–06/1994
- E. NIH Post-doctoral Fellow  
Cardiovascular Division  
Department of Internal Medicine  
Washington University School of Medicine  
St. Louis, MO  
09/1977–06/1980

**MILITARY:** N/A

### ACADEMIC APPOINTMENTS:

Site Director Physician Assistant Program Princeton Medical Center, Internal Medicine rotation Rutgers School of Health Professions Piscataway, NJ	04/2017-date
Clinical Professor of Medicine Rutgers/Robert Wood Johnson Medical School New Brunswick, NJ	11/2016-date
Associate Dean for Academic Affiliate-Medical School Relationships Rutgers/Robert Wood Johnson Medical School New Brunswick, NJ	10/2016-date
Professor of Medicine (Primary) Professor of Diagnostic Imaging and Therapeutics University of Connecticut School of Medicine Farmington, CT	10/2014-06/2016
Senior Associate Dean, Faculty Affairs University of Connecticut School of Medicine Farmington, CT	04/2014-07/2015
Visiting Professor of Medicine (Primary) Visiting Professor of Diagnostic Imaging and Therapeutics University of Connecticut School of Medicine Farmington, CT	04/2014-10/2014

## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

Professor of Medicine (Primary) Professor of Radiology Icahn School of Medicine at Mount Sinai New York, NY	01/2014-06/2014
Professor of Radiology Department of Radiology Albert Einstein College of Medicine of Yeshiva University New York, NY	01/2012 – 12/2014
Professor of Nuclear Medicine Department of Nuclear Medicine Albert Einstein College of Medicine of Yeshiva University New York, NY	09/2003 – 12/2011
Professor of Medicine Department of Medicine Albert Einstein College of Medicine of Yeshiva University New York, NY	09/2003 – 12/2014
Adjunct Professor of Medicine Department of Medicine College of Physicians and Surgeons of Columbia University New York, NY	09/2003 – 06/2008
Margaret Milliken Hatch Professor of Medicine, with Tenure Division of Cardiology, Department of Medicine College of Physicians & Surgeons of Columbia University New York, NY	10/2002 – 08/2003
Professor of Radiology Department of Radiology College of Physicians & Surgeons of Columbia University New York, NY	09/1996 – 08/2003
Professor of Medicine, with Tenure Division of Cardiology, Department of Medicine College of Physicians & Surgeons of Columbia University New York, NY	09/1996 – 10/2002
Adjunct Professor of Medicine Cardiovascular Division, Department of Medicine Washington University School of Medicine, St. Louis, MO	09/1996 – 06/1997
Professor of Radiology Mallinckrodt Institute of Radiology Washington University School of Medicine, St. Louis, MO	07/1995 – 08/1996
Professor of Medicine, with Tenure Cardiovascular Division, Department of Internal Medicine Washington University School of Medicine, St. Louis, MO	07/1995 – 08/1996
Associate Professor of Radiology Mallinckrodt Institute of Radiology Washington University School of Medicine, St. Louis, MO	07/1994 – 08/1995

## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

Associate Professor of Medicine, Cardiovascular Division, Department of Internal Medicine Washington University School of Medicine, St. Louis, MO	07/1989 – 06/1995
Assistant Professor of Medicine Cardiovascular Division, Department of Internal Medicine Washington University School of Medicine, St. Louis, MO	07/1985 – 06/1989
Assistant Professor of Medical Physiology in Medicine Cardiovascular Division, Department of Internal Medicine Washington University School of Medicine, St. Louis, MO	07/1980 – 06/1985 (Part-time 1982 – 1985)
Research Instructor in Medicine, Cardiovascular Division, Department of Internal Medicine Washington University School of Medicine, St. Louis, MO	09/1979 – 06/1980
<b>Hospital Appointments:</b>	
Medical Director, Princeton Healthcare Associated Physicians, PC Penn Medicine – Princeton Health Plainsboro, NJ	08/2018-date
Senior Vice President for Medical Affairs Penn Medicine Princeton Medical Center Plainsboro, NJ	01/2018-date
Chair, Department of Medicine Attending Physician Medicine Penn Medicine/Princeton Medical Center (Formerly Princeton HealthCare) Plainsboro, NJ	07/2016-date
Attending Physician (Medicine and Cardiology) John Dempsey Hospital University of Connecticut School of Medicine Farmington, CT	04/2014-06/2016
Vice Chair for Academic Affairs, Department of Medicine Beth Israel Medical Center, New York, NY	05/2009 – 04/2014
Medical Director and Chair, Heart Institute Continuum Health Partners, New York, NY	09/2003 – 09/2013
Chief, Thomas Killip Division of Cardiology Beth Israel Medical Center, New York, NY	09/2003 – 04/2014
Attending Physician (Medicine and Cardiology) Beth Israel Medical Center, New York, NY	09/2003 – 04/2014
Director, Nuclear Cardiology Columbia-Presbyterian Medical Center, New York, NY	09/1996 – 08/2003
Attending Physician (Medicine and Cardiology) New York Presbyterian Hospital-Columbia Campus, New York, NY	09/1996 – 08/2003
Medical Director, Nuclear Cardiology Cardiovascular Division, Barnes-Jewish Hospital, St. Louis, MO	07/1994 – 08/1996

CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

Attending Physician (Medicine and Cardiology)  
Barnes Hospital, St. Louis, MO

07/1994 - 08/1996

**OTHER EMPLOYMENT OR MAJOR VISITING APPOINTMENTS: N/A**

**PRIVATE PRACTICE: N/A**

**LICENSURE:**

Physician

New Jersey – 25MA09875000

Connecticut – 527723

New York – 204096 (inactive)

Missouri – 105214(expired)

Medical Expert – Florida – MEEW2480

**DRUG LICENSURE:**

NJ CDS D10806400 (Expires 10/31/2016)

DEA: BB7504017 (Expires 07/31/2019)

**CERTIFICATION:**

Board Certified - American Board of Internal Medicine (Expires 12/31/2023)

Board Certified – Certification Board of Nuclear Cardiology (Expires 03/01/2024)

**MEMBERSHIPS, OFFICES and COMMITTEE ASSIGNMENTS IN PROFESSIONAL SOCIETIES:**

American College of Cardiology

Fellow

American College of Physicians

Fellow

American Heart Association

Member

American Society of Clinical Investigation

Member

American Society of Nuclear Cardiology

Member

Greater New York Working Group

Co-director 1997 - 2003

Program Committee Advance Track, 2001, 2002

Member, Quality Assurance Committee, 2001-2005

Member, Continuing Medical Education Committee, 2000 - 2003

Association of University Cardiologists

Member

New York Academy of Medicine

Fellow

Society of Nuclear Medicine

Course Organization

## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

Annual Scientific Sessions

2000 – 2002

### **HONORS AND AWARDS:**

John R. Smith Memorial Fund Prize for Meritorious Work in Cardiovascular Disease,  
Washington University School of Medicine, 1985

Paul Schweitzer Award for Excellence in Teaching,  
Thomas Killip Division of Cardiology, Beth Israel Medicinal Center, 2005

America's Top Physicians, 2004-2005

America's Top Cardiologists, Consumer's Research Council of America, 2006, 2008- 2010, 2015-2017

Best Doctors in America, 2001-2014

Best Physicians, US News & World Report, 2012-2015

Castle Connolly Top Doctors: 2006-2015

Healthgrades Honor Roll

Top Doctors, New York Magazine, 2014

Acute Coronary Syndrome Team, 2002 American Association of Critical Care Nurses Multidisciplinary Award

VHA Health Foundation 2002 Award-Winner for Clinical Effectiveness: Single Hospital. New York Presbyterian Hospital, New York, NY, "Acute Coronary Syndromes / Chest Pain Initiative"

State of Connecticut Certificate of Appreciation – awarded for work in the Department of Public Health, Public Health Practitioner Investigations Section, December, 2015

Who's Who in America, 2001-2003, 2007, 2009, 2013

Who's Who in American Education – 2006-2009

Who's Who in Frontier Science and Technology, 1984

Who's Who in Medicine and Healthcare, 2002, 2006-2007

Who's Who in Science and Engineering, 2003, 2006-2009

Who's Who in the World, 2006

New York Super Doctors 2008 - 2014

The Global Directory of Who's Who 2008

Honorary Membership - Societatea Medicilor Internisti Din Republica Moldova (Internal Medicine Society of the Republic of Moldova), May, 2011

### **BOARDS OF DIRECTORS/TRUSTEE POSITIONS:**

American Heart Association, Missouri Affiliate

Board of Directors, 1993 -1996

Member, Executive Committee, 1993 – 1994

American Society of Nuclear Cardiology

Board of Directors, 1999 - 2003

Society of Nuclear Medicine

CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

Cardiovascular Council Board of Directors  
2000 – 2002  
Board of Trustees - Cardiovascular Council, 1992 – 1994

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:**

Department of Energy, Office of Energy Research, Office of Biological and Environmental Research, Grant Reviewer, 2014

Certification Board of Nuclear Cardiology  
Chair, Board Examination Writing Committee  
2001 – 2003

National Heart, Lung, and Blood Institute - Special Emphasis Review  
SCCOR in Pediatric Heart Development & Disease  
Member, NIH Study Section, 2003

National Institute of Diabetes and Digestive and Kidney Disease  
Digestive Diseases and Nutrition C Subcommittee  
Study Section Ad Hoc Reviewer, 2002

National Heart, Lung, and Blood Institute, National Institutes of Health, Cardiovascular and Renal  
Study Section  
Ad Hoc Member, 1993

American Heart Association, Missouri Affiliate  
Research Committee  
Member, 1992 - 1996  
Chairman, 1993 – 1994

Peer-Review Committee  
Member, 1987 - 1993  
Chairman, 1992 – 1993

Veterans Administration Merit Program  
Ad Hoc Reviewer, 1988

**SERVICE ON MAJOR COMMITTEES:**

A. *International* - N/A

B. *National*

C. *Medical School/University*

Animal Studies Committee  
Washington University School of Medicine, St. Louis, MO  
Member 1990 -1994  
Vice-Chairman 1992 - 1993

Animal Studies Executive Committee  
Washington University School of Medicine, St. Louis, MO  
Vice-Chairman and Member 1992 - 1993

Animal Care Program Review Committee of the Executive Faculty,  
Washington University School of Medicine, St. Louis, MO  
Member 1994 - 1996

Academic Freedom and Tenure Hearing Committee,  
Washington University School of Medicine, St. Louis, MO  
Alternate Member 1991 – 1994

Joint Radiation Safety Committee

## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

College of Physicians & Surgeons of Columbia University Columbia-Presbyterian Medical Center, New York, NY	
Member	1996 – 2003
Executive Committee	1996 - 2003
Deputy Chair	2000 – 2007
Radioactive Drug Research Committee College of Physicians & Surgeons of Columbia University Columbia-Presbyterian Medical Center, New York, NY	
Member	1999 – 2003
Dean's Select Committee Albert Einstein College of Medicine, New York, NY	2007 - 2013
<i>D. Hospital</i>	
Member, Institutional Review Board Princeton HealthCare System, Plainsboro, NJ	2016-date
Chair, Code and Rapid Response Committee Beth Israel Medical Center, New York, NY	2005-2014
Chair, Cardiovascular Subcommittee Pharmacy & Therapeutics Committee Continuum Health Partners, New York, NY	2005 - 2013
Chair, Radiation Safety Committee Beth Israel Medical Center, New York, NY	2007 - 2014
Chair, Search Committee for Chief of Pulmonary, Critical Care and Sleep Medicine Beth Israel Medical Center, New York, NY	2008 and 2012
Co-Chair – Value Analysis – Cardiovascular Committee Continuum Health Partners, New York, NY	2011 – 2013
<i>E. Departmental</i>	
Chairman, Committee for Scientific Integrity Cardiovascular Division, Department of Internal Medicine Washington University School of Medicine, St. Louis, MO	1989 -1996
Executive Committee, Department of Medicine College of Physicians & Surgeons of Columbia University New York, NY	1996 – 2003
Executive Committee, Division of Cardiology College of Physicians & Surgeons of Columbia University New York, NY	1996 - 2003
Member, Promotions Committee, Department of Internal Medicine, Albert Einstein College of Medicine, New York, NY	2004 – 2013
Chair, Committee on Promotions, Dept. of Internal Medicine Beth Israel Medical Center, New York, NY,	2008 – 2014
Scientific Advisory Board - Center for Cardiovascular Research,	



## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

Washington University School of Medicine, 1987 - 1996

### F. Editorial Boards

Current:

Coronary Artery Disease  
Journal of Nuclear Cardiology

Past:

Circulation  
Journal of Nuclear Medicine

### G. Ad Hoc Reviewer

American Journal of Physiology  
Circulation  
Circulation Research  
Journal American College of Cardiology  
Journal of Racial and Ethnic Health Disparities  
New England Journal of Medicine  
Teaching and Learning in Medicine

## **SERVICE ON GRADUATE SCHOOL COMMITTEES; N/A**

## **SERVICE ON HOSPITAL COMMITTEES** See above

## **SERVICE TO THE COMMUNITY**

Member, Biomedical Research Alliance of New York (BRANY)

Institutional Review Board, 2004 – date

International Medical Missions

Moldova- 2011

El Salvador - 2011, 2013; 2016

Nicaragua - 2015

Medical Consultant – Department of Health

Office of Professional Medical Conduct

State of New York, 2002 – date

Medical Consultant – Department of Public Health

Practitioner Licensing and Investigations Section

State of Connecticut, 2014-date

New York City Medical Response Corps

Member

United States Coast Guard Auxiliary

Vice Flotilla Commander, 2016

Flotilla Staff Officer – Secretary/Records 2015-date

Flotilla Staff Officer – Vessel Examination – 2014-2016

Instructor

Vessel Examiner

## **SPONSORSHIP OF CANDIDATES FOR POSTGRADUATE DEGREE**

Jou Wei Lin, D.Sc., College of Physicians and Surgeons of Columbia University

Kathleen Hickey, Ed.D., College of Physicians and Surgeons of Columbia University

Served on 6 dissertation committees.

## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

### **SPONSORSHIP OF POSTDOCTORAL FELLOWS:**

Faculty mentor to 16 post-doctoral fellows, 2 Masters students and 1 M.A.-M.D. student.

### **TEACHING RESPONSIBILITIES**

- A. Lectures or Course Directorships – N/A
- B. Research Training – Prior – responsible for training Master's, pre-doctoral and post-doctoral students

Lectures in clinical assessment of chest pain, clinical pathways, research, myocardial perfusion, mechanical function, myocardial viability, and nuclear cardiology to Cardiovascular Division Fellows, Medicine House Staff, medical students and Radiology House Staff  
~20 hours/year

Clinical and bedside teaching on telemetry unit and Cardiac Intensive Care Unit to Cardiovascular Division Fellows, Medicine House Staff and medical students 3 months/year, 15 hours/week

At Rutgers/Robert Wood Johnson, would be willing to teach Cardiology/Radiology/Nuclear Medicine to medical students, residents and fellows. Will be doing teaching rounds at University Medical Center of Princeton at Plainsboro with medical students and residents. Will mentor medical students and residents in clinical research projects.

### **CLINICAL RESPONSIBILITIES:**

Outpatient consultative cardiology, nuclear cardiology, stress testing, CCU attending, telemetry attending, in patient cardiology consultation.

### **GRANT SUPPORT:**

#### A. Principal Investigator

Noninvasive Imaging of Administered Progenitor Cells (DOE DE-FG02-03ER63600)  
Department of Energy, 7/1/03 – 11/30/06  
Total project direct costs: \$656,677  
Annual project direct costs: \$186,518

Use of Echocardiographic Contrast Perfusion Imaging for Assessment of Efficacy of Progenitor Cell Therapy (Supplement DOE-DE FG02-03ER63600)  
Department of Energy Grant, 9/1/2004 - 12/31/2004  
Total project direct costs: \$ 77,181

Detection and Assessment Using Positron Emission Tomography of Defects in Myocardial Fatty Acid Utilization in Cardiomyopathy (DOE DE-FG02-97ER62433)  
Department of Energy 6/1/01 - 11/30/04  
Total project direct costs: \$1,080,000  
Annual project direct costs: \$300,000

Responsible Investigator, A State-of-the-Art PET scanner for Medical Research  
(M. Laruelle, Principal Investigator) (1-S10-RR13961-01), 4/1/99 - 03/31/00  
Total project direct costs: \$400,000

Protection of Myocardium by Modification of Metabolism (RO1 HL58408), 12/01/96 - 11/30/99  
Total project direct costs: \$703,352  
Annual project direct costs: \$165,493

Optimization of PET Estimates of Myocardial Perfusion (RO1 HL46895-06), 8/16/91 - 1/31/98  
Total project direct costs: \$990,000  
Annual project direct costs: \$170,238

## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

Detection and Assessment Using Positron Emission Tomography of Genetically Determined Defects in Myocardial Fatty Acid Utilization (DOE DE-FG02-93ER61659), 8/93 - 1/97

Total project direct costs: \$975,829

Annual project direct costs: \$388,000

Responsible Investigator, Principles in Cardiovascular Research Training Program 5-, Factors Modifying Recovery of Myocardial Perfusion, Oxidative Metabolism, and Function after Coronary Recanalization (B. E. Sobel, Principal Investigator) (T32-HL 07081, Project #13), 6/90 - 5/95

Total project direct costs: \$2,408,425

Annual project direct costs: \$ 489,176

Responsible Investigator, Specialized Center of Research in Coronary and Vascular Disease, Factors Modifying Recovery of Myocardial Perfusion, Oxidative Metabolism, and Function after Coronary Recanalization (B. E. Sobel, Principal Investigator) (HL17646, Project #5), 1/90 - 12/94

Total project direct costs: \$ 977,256

Annual direct costs: \$ 166,580

Responsible Investigator, Factors Modifying Recovery of Myocardial Perfusion, Oxidative Metabolism, and Function after Coronary Recanalization (B. E. Sobel, Principal Investigator)(Specialized Center Of Research #HL17646, Project 4), 1/90 - 12/94

Total project direct costs: \$ 977,256

Annual project direct costs: \$ 209,462

Responsible Investigator, Experimental PET Studies (L. J. Thomas, Principal Investigator) (Resource for Biomedical Computing, 5 T41 RR01380-08, Project A-5), 12/88 - 11/92

Total project direct costs: \$2,734,530

Annual project direct costs: \$ 546,906

Responsible Investigator, Quantitative Assessment of Myocardial Perfusion and Its Response to Thrombolysis with Tissue-type Plasminogen Activator by Positron Emission tomography (B. E. Sobel, Principal Investigator) (Principles in Cardiovascular Research Training Program, 5-T32-HL 067081, Project #5), 7/85 - 6/90

Total project direct costs: \$1,292,958

Annual project direct costs: \$ 252,444

Responsible Investigator, External Characterization of Myocardial Metabolism and Perfusion with Positron-Emitting Radionuclides (B. E. Sobel, Principal Investigator) (Specialized Center of Research in Ischemic Heart Disease, HL17646, Project #6), 1/85 - 12/89

Total project direct costs: \$ 690,855

Annual project direct costs: \$ 117,763

Responsible Investigator, Characterization of Myocardial Metabolism in Diabetes (W. H. Daugherty, Principal Investigator) (Diabetes Research and Training Center, 5P60 AM 20579-05, Project #28), 9/81 - 9/83

Total direct costs: \$ 36,585

Annual direct costs: \$ 17,028

Optimization of PET Estimates of Myocardial Perfusion (RO1 HL46895), 8/91 - 7/97

Total project direct costs: \$479,392

Annual project direct costs: \$155,156

Responsible Investigator, Assessment of Myocardial Metabolism and Blood Flow During Ischemia and Reperfusion: Effects of Adjunctive Pharmacologic Therapy in Residual Stenosis (A. L. Schwartz, Principal

## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

Investigator) (Cardiovascular System: Function, Regulation, and Pharmacology, 5-T32-HL07275, Project #7), 9/92 - 6/98

Total project direct costs: \$1,517,000

Annual project direct costs: \$ 314,350

Principal Investigator Non-governmental Grants:

Acute Study of Clinical Effectiveness of Nesiritide in Decompensated Heart Failure (ASCEND-HF).

1/14/2008 - 2010.

Total project direct costs: Estimated \$100,000/year

Responsible Investigator, Assessment of Myocardial Metabolism and Blood Flow During Ischemia and Reperfusion: Effects of Adjunctive Pharmacologic Therapy in Residual Stenosis (P. B. Corr, Principal Investigator) (Cardiovascular System: Function, Regulation, and Pharmacology, 5-T32-HL 07272, Project #7), 7/87 - 6/92

Total project direct costs: \$1,707,410

Annual project direct costs: \$ 341,482

Open-label, phase 2B study of the safety and efficacy of <sup>123</sup>I-BMIPP for identification of ischemic myocardium using SPECT in adults admitted to the emergency department for evaluation of symptoms consistent with ACS

Biostream 9/1/04 - 12/31/05

Total project direct costs: \$150,000

A Phase 2 Study of the Safety and Efficacy of  $\beta$ -Methyl-p-[<sup>123</sup>I]-Iodophenyl-Pentadecanoic Acid (<sup>123</sup>I-BMIPP) for the Identification of Ischemic Myocardium Using Single Photon Emission Computed Tomography (SPECT) in Patients with an Ischemic Event

Biostream 7/1/02 – 6/30/03

Total project direct costs: \$158,000

Use of Copper-62-PTSM and Positron Emission Tomography for Quantitation of Myocardial Perfusion American Heart Association, 7/90 - 6/92

Total project direct costs: \$ 49,973

Annual project direct costs: \$ 24,981

Evaluation of Effects on Myocardial Perfusion Using Positron Emission Tomography (PET)

Eli Lilly and Company, 10/10/00 – 12/31/02

Total and Annual project direct costs: \$171,550

Relative and Absolute Myocardial Perfusion Changes as Measured by Positron Emission Tomography (PET) to Assess the Effects of ACAT Inhibition: A Double-Blind, Randomized, Multicenter Trial (RAMPART)

Parke-Davis Pharmaceutical Research

1/1/99 - 12/31/99

Total project direct costs: \$250,000

Advancement of the PET Program for the Diagnosis and Treatment of Heart Disease

Jacob and Hilda Blaustein Foundation, 7/01/98 - 6/30/01

Total project direct costs: \$300,000

Annual project direct costs: \$100,000

### B. Co- Investigator

Collaborator, Body Composition: Methods, Models and Applications (S. Heymsfield, Principal Investigator) (2 P01 DK042618-11), 07/01/01 - 06/30/04

Total project direct costs: \$780,000

Annual project direct costs: \$156,000

## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

Sponsor, Effects of mass regression on the physiological abnormalities associated with left ventricular hypertrophy (O. Akinboboye, Principal Investigator) (3-M01-RR00645-2753),  
7/1/99 - 6/30/04

Total project direct costs: \$133,872      Annual project direct costs: \$ 39,314

Collaborator, Role of Aldose Reductase in Cardiac Ischemic Injury (R. Ramasamy, Principal Investigator) (RO1 HL61783), 12/1/98 - 11/30/03

Total project direct costs: \$557,141

Annual project direct costs: \$129,278 Collaborator, Console upgrade for a 4.23 T

Whole-body MR system (D. Shungu, Principal Investigator, S10 RR13881-01A1

4/1/00 - 3/31/01

Total project direct costs: \$400,000

Annual project direct costs: \$400,000

Co-Investigator, Improved Analysis and Display of Cardiac PET Images (T. R. Miller, Principal Investigator) (RO1 HL-42884), 4/90 - 3/93

Total project direct costs: \$ 350,129

Annual project direct costs: \$ 139,235

Co-Investigator, Biological Determinants of Acute Coronary Syndromes Delineated by Positron Emission Tomography (E. M. Geltman, Responsible Investigator, B. E. Sobel, Principal Investigator) (Specialized Center Of Research #HL17646, Project #12), 1/90 - 12/94

Total project direct costs: \$ 882,390

Annual project direct costs: \$ 144,859

Co-investigator, Biological Determinants of Acute Coronary Syndromes Delineated by Positron Emission Tomography (B. E. Sobel, Principal Investigator) (Specialized Center of Research in Coronary and Vascular Disease, HL17646, Project #14), 1/90 - 12/94

Total project direct costs: \$1,243,422

Annual project direct costs: \$ 176,478

Participating Investigator, Computer and Replacement Parts for Positron Emission Tomography (M. E. Raichle, Principal Investigator) (Shared Instrumentation Grant, RR04865-0),  
12/88 - 12/89

Total and annual project direct costs: \$360,724

Participating Investigator, Cardiovascular Studies (M. M. Ter-Pogossian, Principal Investigator) (Cyclotron Produced Isotopes in Biology and Medicine, P01HL 13851, Project #3), 3/87 - 2/92

Total project direct costs: \$6,938,012

Annual project direct costs: \$1,189,983

Participating Investigator, Cardiovascular Studies (M. M. Ter-Pogossian, Principal Investigator) (Cyclotron Produced Isotopes in Biology and Medicine, P01 HL 14851, Project #3),  
12/81 - 11/86

Total project direct costs: \$5,706,871

Annual project direct costs: \$ 658,729

Collaborator, Whitaker Foundation Development Award, "Bridging Engineering, Medicine and Biology with an Emphasis on Biomedical Imaging" (V. Mow, Principal Investigator),  
Years 2000 – 2005

Total project direct costs: \$10,000,000

## CURRICULUM VITAE

Steven R. Bergmann, M.D., Ph.D.

Co-Investigator, PET Imaging of Cardiac Autonomic Nerves in Patients Who Have Diabetes Mellitus [J.T. Bigger, Principal Investigator] (Dana Foundation Award) 7/1/00 – 6/30/03

Total project costs: \$100,000

Annual project direct costs: \$50,000

Co-Investigator, Gated Blood Pool SPECT Analysis of Cardiac Function [K. Nichols, Principal Investigator] [Siemens Medical Systems, Inc.], 2/01/01 – 2/01/03

Total project direct costs: \$200,000

Annual project direct costs: \$150,000

Collaborator, Inhibition of Reperfusion Injury After Coronary Thrombolysis (P.R. Eisenberg, Principal Investigator) (Washington University/Monsanto Biomedical Program), 1/95 - 1/96

Total project direct costs: \$ 364,598

Annual direct costs: \$ 128,351

Principal Investigator, Characterization of Myocardial Metabolism in Perfusion with Positron Emitting Radionuclides (American Heart Association Summer Student Fellowship, American Heart Association, Missouri Affiliate), 7/93 - 8/94

Total project direct costs: \$ 2,000

Faculty Mentor, Effects of Modifying Fatty Acid Metabolism on Alcohol-Induced Myocardial Dysfunction (J-L. J. Vanoverschelde, recipient) (American Heart Association, Missouri Affiliate Postdoctoral Fellowship Award), 7/91 - 6/92

Total project direct costs: \$ 25,000

Faculty Mentor, Metabolic Cell with Stunned Myocardium (Marc Janier, recipient) (American Heart Association, Missouri Affiliate, Affiliate Postdoctoral Fellowship), 7/91 - 6/92

Total project direct costs: \$ 25,000

Participating Investigator, The Impact of Conjunctive Therapy on Coronary Thrombolysis (B.E. Sobel, Principal Investigator) (Monsanto/Washington University Development Program), 1/91 - 12/93

Total project direct costs: \$ 884,986

Annual project direct costs: \$ 265,000

Faculty Mentor, Evaluation of Perfusion Abnormalities in the Transplanted Heart (M. J. Senneff, recipient) (Mallinckrodt Fellowship/Society of Nuclear Medicine Award), 7/90 - 6/91

Total project direct costs: \$ 30,000

Faculty Mentor, Characterization of Myocardial Metabolism in Diabetes Mellitus Minority Faculty Fellowship Program (L. E. Fields, recipient) (Robert Wood Johnson Foundation, Grant R9067), 9/83 - 8/87

Total project direct costs: \$100,000

Annual project direct costs: \$ 25,000

Pending: None

## PUBLICATIONS:

### *Peer Reviewed Articles*

1. Dilsizian V, Bacharach SL, Beanlands RS, **Bergmann SR**, Delbeke D, Dorbala S, Gropler RJ, Knutti J, Schelbert HR, Travin MI. ASNC imaging guidelines/SNMMI procedure standard for positron emission tomography (PET) nuclear cardiology procedures. J Nucl Cardiol. 2016 Jul 8. [Epub ahead of print]. PMID: 27392702

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2. Zhu Z, Islam S, **Bergmann SR\***. Effectiveness and outcomes of a nurse practitioner run chest pain evaluation unit. *J. Am. Assoc Nurse Practitioners. J Am Assoc Nurse Pract.* 2016 May 19. doi: 10.1002/2327-6924.12377. [Epub ahead of print] PMID: 27193259
3. Ratcliffe JA, Wilson E, Islam S, Platsman Z, Leou K, Williams G, Lucido D, Moustakakis E, Rachko M, **Bergmann SR\***. Mortality in the coronary care unit. *Coronary Artery Disease.* 2014; 25:60-65.
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5. Inaba Y, Chen J, **Bergmann SR\***. Carotid plaque, compared with carotid intima-media thickness, more accurately predicts coronary artery disease events: A meta-analysis. *Atherosclerosis* 2012; 220:128-133.
6. Kato S, Takahashi K, Ayabe K, Samad R, Fukaya E, Friedmann P, Varma M, **Bergmann SR\***. Heparin-induced thrombocytopenia: analysis of risk factors in medical inpatients. *Br. J. Haematol.* 2011;154: 373-377.
7. Wanahita N, See JL, Giedd KN, Friedmann P, Somekh NN, **Bergmann SR\***. No evidence of increased prevalence of premature coronary artery disease in New York City police officers as predicted by coronary artery calcium scoring. *J. Occup. Environ. Med.* 2010; 52: 661-665.
8. Inaba Y, Chen JA, **Bergmann SR\***. Prediction of future cardiovascular outcomes by flow-mediated vasodilatation of brachial artery: a meta-analysis. *Int J Cardiovasc Imaging* 2010; 26:631-640.
9. Inaba Y, Chen JA, **Bergmann SR\***. Quantity of viable myocardium required to improve survival with revascularization in patients with ischemic cardiomyopathy: a meta-analysis. *J. Nucl. Cardiol.* 2010; 17:646-654.
10. Inaba Y, **Bergmann SR\***. Prognostic value of myocardial metabolic imaging with BMIPP in the spectrum of coronary artery disease: a systematic review. *J. Nucl. Cardiol.* 2010; 16:61-70.
11. Ratcliffe JA, Thiagarajah, P, Chen J, Kavala G, Kanei Y, Fox J, Gowda R, Schmitz S, Friedmann P, **Bergmann, SR\***. Prevention of contrast-induced nephropathy in high risk patients undergoing coronary angiography and intervention: A randomized controlled trial of sodium bicarbonate and high dose n-acetylcysteine. *Intl. J. Angiol.* 2009; 18:193-197.
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13. Eslava D, Dhillon S, Berger J, Homel P, **Bergmann SR\***. Interpretation of electrocardiograms by first-year residents: the need for change. *J. of Electrocardiology* 2009; 42:693-697.
14. Rosman J, Kavala G, Obunai K, **Bergmann SR\***. The Role of Heart-Type Fatty Acid Binding Protein in the Diagnosis of Acute Coronary Syndromes. *Intl. J. Angiology.* 2009; 18: 79-81.
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17. Dhillon SK, Rachko M, Hanon S, Schweitzer P, **Bergmann SR\***. Telemetry monitoring guidelines for efficient and safe delivery of cardiac rhythm monitoring to non-critical hospital inpatients. *Crit. Pathw. Cardiol.* 2009; 8:125-126.
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63. Fox KAA, **Bergmann SR**, Sobel BE: Pathophysiology of myocardial reperfusion. *Ann. Rev. Med.* 1985; 36:125-144.
64. Lerch R, **Bergmann SR\***: Assessment of myocardial metabolism with <sup>11</sup>C-palmitate. Comparison with <sup>123</sup>I-heptadecanoic acid. *Eur. Heart J.* 1985; 6 (Supl. B), 21-27.
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### Books

1. **Bergmann SR**, Sobel BE, Editors. Positron emission tomography of the heart. Futura Publishing, Inc., Mount Kisco, New York, 1992.

### Poetry

1. Bergmann, SR. No code here. *Anastomoses*. Feb 12, 2015. <http://www.anastomoseslitmag.com/poetry-1/2015/2/12/no-code-here-steven-r-bergmann-md-phd>

### Letters to the Editor

1. Inaba, Y., Chen, JA, **Bergmann SR**. Carotid intima-media thickness and cardiovascular events. *N. Engl. J. Med.* 2011; 365: 1640-1641
2. Bergmann, S.R.\*: Letter to the Editor: Aggrenox® and stress testing. (Letter) *Circulation* 103:E50, 2001.
3. Bokhari, S., Bergmann, S.R.\*: Warning to physicians performing pharmacologic stress tests. (Letter) *J. Nucl. Cardiol.* 7:546, 2000.
4. Bergmann, S.R.\*: Alert to physicians: Possible interaction of Aggrenox® and adenosine. (Letter) *J. Am. Coll. Cardiol.* 36:1432, 2000.
5. Bokhari, S., Blood, D.K., Bergmann, S.R.\*: Use of right precordial leads during exercise testing. [Letter] *N. Engl. J. Med.* 343:968-969, 2000.
6. Bergmann, S.R.\*, Herrero, P., and Geltman, E.M.: Blunted response of myocardial perfusion to dipyridamole in older adults (Revisited). (Letter) *J. Nucl. Med.* 36:1137-1139, 1995.
7. Bergmann, S.R., Senneff, M.J., and Geltman, E.M.: Blunted response of myocardial perfusion to dipyridamole in older adults. (Letter) *J. Nucl. Med.* 1992; 33:1426-1427.
8. Gropler, R.J. and Bergmann, S.R.\*: Myocardial viability. (Letter) *J. Nucl. Med.* 1991; 32:1315-1316.
9. Bergmann, S.R.\*, Sobel, B.E., and Eisen, H.J.: Detecting rejection of canine cardiac allograft with indium-111 lymphocytes. (Letter) *J. Nucl. Med.* 1988; 29: 2018-2019.
10. Bergmann, S.R.\*: Thrombolysis and angioplasty in acute myocardial infarction. (letter) *N. Engl. J. Med.* 1988; 318:576.
11. Bergmann, S.R.\*, Collen, D., Sobel, B.E.: Coronary thrombolysis with tissue-type plasminogen activator. (Correspondence) *N. Engl. J. Med.* 1984; 310:1534-1535.

### Abstracts

(>255. Truncated for brevity. Available on request). Only shown for last 3 years.

1. Bajpayee G, Hanan J, Gingrut S, Misra D, Shinnar M, **Bergmann SR**. Left Ventricular Ejection Fraction: Differences Based on Imaging Modality. *J. Nucl. Cardiol.* 21:784-785, 2014.

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2. Bajpayee G, Duanmu Y, Lucido D, Filopei J, Kong C, Yuzuk N, Quintero L, Preeshagul I, Husk G, **Bergmann SR**. Who Should Get a CT for Pulmonary Embolism in the Emergency Department? An Analysis of Four Different Clinical Scoring Systems. American Thoracic Society, Denver, CO. May, 2015.
3. Bajpayee G, Misra D, Lucido D, Kabra N, **Bergmann SR**. Gender Based Normal Limits for Left Ventricular EF and Volumes Across Imaging Modalities. J. Nucl. Cardiol. 22:757, 2015.

## PRESENTATIONS:

### Major Invited Lectures

1. Acute Coronary Syndromes – Internal Medicine Society of the Republic of Moldova, Chisinau, Moldova, 2011.
2. Weiden-Perlman Lecture: The Changing Paradigm of Chest Pain Evaluation. New York Cardiological Society, New York, NY, 2006.
3. American Society of Nuclear Cardiology Board Review Course; Chicago and Montreal, 2006.
4. American Society of Nuclear Cardiology Board Review Course; Chicago, IL and Seattle, WA, 2005.
5. "Read with the Experts: Myocardial Viability Imaging." Case Presenter - American College of Cardiology, 2005, 54<sup>th</sup> Annual Scientific Session, Orlando, FL.
6. Positron Emission Tomography Imaging. American College of Cardiology 2005, 54<sup>th</sup> Annual Scientific Session, Orlando, FL.
7. Myocardial Viability. Radiological Society of North America, Chicago, IL, 2004.
8. Imaging Ischemic Memory with BMIPP. American College of Cardiology, New Orleans, LA, 2004.
9. Novel tracers for cardiac PET. American Society of Nuclear Cardiology. New York, NY, 2004.
10. PET myocardial perfusion and function. American Society of Nuclear Cardiology. New York, NY, 2004.
11. Myocardial Viability. Radiological Society of North America, Chicago, IL, 2003.
12. Novel Tracers for Cardiac PET. American Society of Nuclear Cardiology. Indianapolis, IN, 2003.
13. Fatty Acid Imaging: Ischemic Memory (Advances in Nuclear Cardiology: Beyond Perfusion and Function Imaging Symposium). American College of Cardiology 52<sup>nd</sup> Annual Scientific Sessions. Chicago, IL, 2003.
14. Cardiac PET (Plenary Session on PET Imaging). Radiological Society of North America, Chicago, IL, 2002.
15. Perfusion imaging with PET agents. 7<sup>th</sup> Annual American Society of Nuclear Cardiology Symposium and Scientific Session, Baltimore, MD, 2002.
16. Myocardial viability assessment with SPECT and PET. 7<sup>th</sup> Annual American Society of Nuclear Cardiology Symposium and Scientific Session, Baltimore, MD, 2002.
17. Cardiovascular Imaging: "Congestive Failure: Using PET to Aid Management Decisions" Presented at "The Revolutionary Influence of Imaging in Medicine: New Paradigms for a New Century", New York Cardiological Society, New York, NY, 2001.

## CURRICULUM VITAE

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18. Evaluating Myocardial Perfusion. State of the Art in Cardiac PET. Society of Nuclear Medicine Annual Meeting, Continuing Education Session. Toronto, Ontario, Canada, 2001.
19. Current Status of Positron Emission Tomography. Meet with the Experts. American College of Cardiology. Anaheim, CA. 2000.
20. PET Imaging: How It Works and When Is It Indicated? New Developments in Nuclear Cardiology. American Society of Nuclear Cardiology 4<sup>th</sup> Annual Tutorial in Nuclear Cardiology, Washington, D.C., 1999.
21. Functional consequences of gene expression in health and disease. United States Department of Energy, Office of Energy Research, Office of Biological and Environmental Research, Medical Applications and Biophysical Research Division, San Antonio, TX, 1997.
22. Protection of ischemic myocardium by modification of metabolism. International Society for Heart Research, Vancouver, British Columbia, Canada, 1997.
23. Is blood flow quantitation possible with SPECT?: Lessons from PET. Society of Nuclear Medicine Annual Meeting, Categorical Seminar. Denver, CO, 1996.
24. Clinical application of myocardial blood flow quantitation with O-15 water. Society of Nuclear Medicine 42nd Annual Meeting, Categorical Seminar "Quantitation of Myocardial Perfusion by PET and MRI," Minneapolis, MN, 1995.
25. Use of positron emission tomography for studies of the heart. Categorical Seminar, Cardiovascular Council, Society of Nuclear Medicine Annual Meeting, Toronto, Canada, 1993.
26. Clinical applications of flow estimates. Society of Nuclear Medicine Annual Meeting. Cincinnati, OH, 1991.
27. Metabolic re-oxygenation and patterns of substrate utilization as measured by positron-emitting fatty acids and acetate. Scientific Conference on Experimental and Clinical Coronary Pathophysiology. American Heart Association. Councils on Arteriosclerosis, Circulation, Clinical Cardiology, and Thrombosis. Durango, CO, 1990.
28. Measurement of myocardial blood flow with positron emission tomography. American Physiological Society/American Thoracic Society joint Fall meeting, Rochester, MN, 1989.
29. The choice of tracers for PET studies of the heart. Continuing Medical Education course. Society of Nuclear Medicine Annual Meeting, St. Louis, MO, 1989.
30. Potentials for the future of cardiac PET. Categorical Seminar, Cardiovascular Council, Society of Nuclear Medicine Annual Meeting, St. Louis, MO, 1989.
31. Noninvasive measurement of myocardial substrate utilization with positron emission tomography. Second International Symposium on Lipid Metabolism in the Normoxic and Ischemic Heart. Maastricht, The Netherlands, 1988.
32. Non-invasive assessment of interventions designed to salvage ischemic myocardium during evolving myocardial infarction. Fifth International Workshop on Regional Myocardial Blood Flow and Ischemic Heart Disease. Celle, West Germany, 1986.
33. Cardiovascular Conference: "Tomography in Nuclear Cardiology" 56th Annual Scientific Sessions, American Heart Association. Anaheim, CA, 1983.
34. Efficacy of intravenously administered plasminogen activator in coronary thrombosis assessed with positron tomography. Fourth International Workshop on Regional Myocardial Blood Flow. Celle, West Germany, 1983.
35. Assessment of regional myocardial plasminogen activator in coronary thrombosis assessed with positron tomography. Fourth International Workshop on Regional Myocardial Blood Flow. Celle, West Germany, 1983.

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36. Detection of coronary thrombus with  $^{111}\text{In}$ -platelets using a  $^{99\text{m}}\text{Tc}$ -RBC subtraction technique. Third International Workshop on Regional Myocardial Blood Flow. Celle, West Germany, 1981.
37. Limitations of cations as perfusion indicators. Third International Workshop on Regional Myocardial Blood Flow. Celle, West Germany, 1981.
38. Approach to assessment of the efficacy of thrombolytic therapy with  $^{11}\text{C}$ - palmitate. Third International Workshop on Regional Myocardial Blood Flow. Celle, West Germany, 1981.
39. Exponential infusion of tracers for assessment of myocardial blood flow. Second International Workshop on Regional Myocardial Blood Flow. Celle, West Germany, 1979.
40. The use of  $^{13}\text{NH}_3$  as a perfusion indicator. Second International Workshop on Regional Myocardial Blood Flow. Celle, West Germany, 1979.

**\*Denotes senior or corresponding author**

**Updated 8/14/2018 9:03 AM**