

AARON SMITH, MD, PHD

📍 555 Hoyt Ave West, St. Paul, Minnesota 55555 📞 (555) 555 5555 ✉️ asmith42@yahoo.com

~ (JOB POSITION) ~

SUMMARY OF QUALIFICATIONS

Identify issues, from hypotheses, design and conduct analyses, synthesize conclusions into recommendations, and implement change. Self-starter, disciplined, confident, and goal oriented. Adept at giving written and oral presentations to group of experts and superiors. Excellent communication skills shown with colleagues, and general public. Motivate members of a team toward common goals. Multi-lingual with fluency in English, German, and French.

- ✓ Extensive R&D management background includes broad technical knowledge/judgment, ability to drive bottom-line performance in developing processes
- ✓ Strong business development expertise includes business acumen that brings focus to strategic areas, business analysis, strategic planning, and negotiating
- ✓ Exceptional leadership skills. Experienced building world-class teams of professionals, establishing vision, setting goals, communicating, motivating, empowering and developing people

EDUCATION

PHD IN CELLULAR AND INTEGRATIVE PHYSIOLOGY ▪ UNIVERSITY OF MINNESOTA, MN	2001
DOCTOR OF MEDICINE ▪ UNIVERSITY OF BASEL, BASEL, SWITZERLAND	1990

CAREER OVERVIEW

MEDTRONIC, INC., ▪ MINNEAPOLIS, MN

SR. MANAGER, EMERGING TECHNOLOGIES 2005 - Present

MANAGER, EMERGING THERAPIES / SENIOR PRINCIPAL SCIENTIST 2003 - 2005

PRINCIPAL SCIENTIST - CARDIAC RHYTHM DISEASE MANAGEMENT 2001 - 2003

- Function as Program Manager for CRDM-wide Biotech programs, reports directly to the Vice President of Biotechnology and to the Senior Director of Therapy Delivery Systems. Manage R&D activities related to drug/biologics programs and develop business strategy and business plan. Developed significant business opportunities with biopharmaceutical companies
- Principal and Program Leader of largest CRDM Biotechnology program – in charge for biologics discovery and testing, device development, and basic science, as well as Life Science Laboratories
- Act as Team Leader CRDM Biotech Strategic Planning Team. Strategic recommendations were approved by Senior Management
- Member of Medtronic CRDM Patent Board
- Oversee multiple academic and industrial collaborations and a 2.2 million dollar/year R&D budget (11 FTE)
- Supervise GLP and non-GLP animal research studies at Medtronic, University of Minnesota, and other U.S. academic research facilities focusing on biological and pharmacological-based therapies for cardiac electrophysiology, cardiac ischemia, and inflammation - Established two collaborations with Medtronic key opinion leaders
- Facilitate in silico, vitro, and vivo (pre-clinical) research studies
- Develop CRDM Biotechnology technology roadmap. Organize activities in cross-business unit R&D Biotechnology. Construct R&D plan for fiscal planning
- Instituted and directed the activities of the first Medtronic CRDM Life Sciences laboratory

MEDTRONIC, INC., ▪ MINNEAPOLIS, MN

MANAGER, EMERGING THERAPIES / SENIOR PRINCIPAL SCIENTIST 2003 - Present

PRINCIPAL SCIENTIST - CARDIAC RHYTHM MANAGEMENT, THERAPY DELIVERY SYSTEMS 2001 - 2003

- Operates a pre-clinical electrophysiology and tissue culture laboratory. Organized an expansion program to improve facilities. Established program to access and study human cardiac tissues (protocol development, IRB, Biosafety Level 2 approval)
- Skilled in product design and product platform development
- Conducted various pre-clinical local drug and biologics delivery studies (steroids, rapamycin, oligonucleotides, gene vectors, cells)

Key Accomplishments:

- Earned an award for Medtronic QUEST grants as PI in 2001, 2002, and as co-investigator in 2000, 2003, 2004, 2005

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CAREER OVERVIEW

(Continued)

- Played an integral part in a 23 Medtronic approved patent applications with 16 filed as U.S. patent applications and 2 issued US patents
- Contributed in Corporate Biotech (2001), CRM Biotech (2003), and Corporate Drug Delivery (2004) Strategy Development
- Obtained various academic collaborations with top universities including Harvard Medical School, Vanderbilt University, Indiana University, University of Minnesota, and industry partners
- Created various animal research models and novel therapies and platforms
- Established several business development opportunities
- Participated in the design and development of novel local biologics delivery and monitoring systems

PAXAR SYSTEMS CORP. ■ SAYRE, PA

INTERN

2000 - 2001

- Conducted PRL animal study and wrote study report for QUEST grant detailing steroid

AWARDS

Nominee for Medtronic CRDM Technical Leadership Award 2006

Medtronic Technical Award, 2004

Co-investigator, Medtronic QUEST Research Grant, 2000 & 2003, 2004

Principal Investigator Medtronic QUEST Research Grant, 2001 & 2002

Bacaner Research Award for Creative Excellence in Medical Research in Physiology, for PhD Thesis,

Minnesota Medical Foundation, 2002

Research Award, University of Minnesota, Center for Muscle and Muscle Disorders, 2000-2001

Swiss National Science Foundation Fellowship, 1997-1998

Research Award, Swiss Society of Anesthesiologists, 1997-1998

Research Award, University of Basel, Switzerland, Department of Anesthesiology, 1997-1998

PROFESSIONAL AFFILIATIONS

American Physiological Society 2001 - Present

American Heart Association, Basic Cardiovascular Science Council 2000 - Present

Swiss Medical Association 1990 - Present

PROFESSIONAL TRAINING

University of Minnesota, Carlson School of Management, Minneapolis, MN 2005

Minnesota Executive Program, Advanced Business Strategy & Leadership

University of Minnesota, Minneapolis, MN 1998 - 2001

Postdoctoral Fellow and PhD Student, Department of Anesthesiology and Physiology

Swiss National Science Foundation, Bern, Switzerland 1997 - 1998

Postdoctoral Fellow, Department of Anesthesiology, University of Minnesota

Zentrum Fuer Lehre Und Forschung, Basel, Switzerland Oct - Dec 1996

Research Rotation

Anesthesiology Board Certification (Switzerland) 1996

University of Basel, Kantonsspital, Basel, Switzerland 1994 - 1997

Anesthesiology Resident

Regional Hospital Breitenbach, SO, Breitenbach, Switzerland 1993 - 1994

Internal Medicine Resident

County Hospital Olten, SO, Olten, Switzerland 1991 - 1993

Anesthesiology Resident