

R. Renae Speck, Ph.D.

Renae Speck, Ph.D is the **Chief Operating Officer** for the Institute for Advanced Composites Manufacturing Innovation (IACMI). IACMI is a partnership of industry, universities, national laboratories, and federal, state, and local governments working together to benefit the Nation's energy and economic security by sharing existing resources and co-investing to accelerate development and commercial deployment of advanced composites. The nationwide Institute is sponsored by a \$70 million commitment from the U.S. Department of Energy and \$189 million from IACMI's partners. IACMI is an Institute within the National Network of Manufacturing Innovation, a **White House initiative** to help U.S. manufacturers use leading-edge technology to become more competitive.

Renae led the proposal for IACMI and assumed the COO role at the official launch in June 2015. In addition to her position as IACMI COO, Dr. Speck remains a Research Relationship Manager at the Oak Ridge National Laboratory. As a Research Relationship Manager, Renae leads collaborative large capture multi-partner proposal/project formation, implementation, and maintenance for the Energy and Environmental Sciences Directorate. She develops initiatives surrounding collaborative research across the broad portfolio spectrum of technology. Such initiatives include the BioEnergy Science Center and the Critical Materials Institute.

Prior to being promoted to a Research Relationship Manager, Renae served as a Senior Commercialization Manager in the Office of Technology Transfer in the Partnership Directorate at the United States Department of Energy's Oak Ridge National Laboratory (ORNL) which is operated and managed by UT-Battelle, LLC. Renae was responsible for portfolio management and commercialization of intellectual property created by researchers and staff in the Biological and Environmental Sciences Directorate and the Nuclear Science and Technology Division. Renae also managed the proposal, award, and reporting processes for technology maturation funds.

Renae has numerous years of experience in academic administration. This experience includes a stint as Assistant Director of Technology Transfer at the Johns Hopkins Licensing and Technology Transfer Office. Renae was responsible for managing life science inventions from the Schools of Arts and Sciences, Education, Engineering, Nursing, Business, and Public Health as well as several departments in the School of Medicine. Renae also served as Program Manager for the Vanderbilt-Meharry Center for AIDS Research. Renae was in charge of the day to day operation of the Center. Renae also worked as a Proposal Development Coordinator in the Office of Sponsored Programs at Western Kentucky University. She assisted faculty and staff with proposal and budget development.

Education and Training

Johns Hopkins University, School of Medicine–Pharmacology & Molecular Sciences, Ph.D., (2002)
Western Kentucky University–Recombinant Genetics and Chemistry, Double Major (B.S) (1995)

Professional Experience

2015–Present: Institute for Advanced Composites Innovation, *Chief Operating Officer*
Loaned to the Institute 100% Effort. Responsible for daily Corporation operations, Corporation-wide integration, and performance monitoring. Responsibilities include attracting additional commitments to create a funds flow to support sustainability.

2013–Present: Oak Ridge National Lab, *Research Relationship Manager*

Develop and manage external R&D programs between Oak Ridge National Lab and Companies, Universities, National Laboratories and Federal and State Government Agencies. Responsibilities include proposal development, contract negotiation and ongoing management of external programs.

2010-2014: Oak Ridge National Lab, *Director of Technology Transfer and Partnerships, BioEnergy Science Center (BESC)*

Serves as a Senior Alliance Manager (Program Manager; Intellectual Property, Industrial Affiliates, and Partnership Agreements).

2008-2013: Oak Ridge National Lab, *Senior Commercialization Manager*

Counseled research staff, postdocs, and management regarding intellectual property and licensing. Identified, evaluated, and ensured successful commercialization of inventions.

2004-2007: Western Kentucky University, *Proposal Development Coordinator*

Provided outreach and pre- and post-award proposal development support to faculty, administrators, staff, and students with special attention to establishing partnerships across disciplines.

2003-2004: Vanderbilt University Medical Center, *Program Manager, Vanderbilt-Meharry Center for AIDS Research (CFAR)*

Managed 75 people at two separate institutions regarding CFAR related activities and in accordance with NIH guidelines and the proposal requirements. Developed the policies and guidelines for CFAR infrastructure that allowed the Center to be fully funded.

2001-2003: Johns Hopkins University, *Assistant Director, Office of Licensing and Technology Development*

Managed a portfolio of over 150 different intellectual properties in various stages of development. Drafted, reviewed, negotiated, executed, and monitored license, material transfer, inter-institutional agreements, and confidential disclosure agreements.

1995-1996: Cancer Research Fund of Contra Costa, *Research Associate*

Engineered and expressed a novel, dimeric antibody-like molecule termed Inverted Fab2.

Publications

6 publications in peer-reviewed journals and numerous conference presentations on various topics including antibody engineering and HIV genetics.