

Bernard D. Santarsiero

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INTERESTS

- Diversity and Cultural Competency: Healthcare Disparity, Advancing Support and Educational Opportunities for Underrepresented Minorities, LGBTQ Veteran Issues, Social Justice
- Structure-Based Drug Discovery: Antibiotics, Cancer Therapeutics, Neurodegenerative Diseases
- Structural Biology: Structure, Mechanism, Function, Energy Storage, Catalysis

EDUCATION

Harvey Mudd College, Claremont, CA	B.S., Chemistry	1971-1975
University of Washington, Seattle, WA	Ph.D., Physical Chemistry	1975-1980
Caltech, Pasadena, CA	Postdoctoral, Chemical Catalysis	1980-1986
University of Alberta, Edmonton, AB	Postdoctoral, Biochemistry	1986-1991

LEADERSHIP EXPERIENCE

1983-1986	Director, X-ray Laboratories, Chemistry and Chemical Engineering, Caltech
1984-1986	Deputy Master and Summer Master of Student Houses, Student Affairs, Caltech
1989-1991	Director, Structure Determination Laboratory, Chemistry, Univ of Alberta
1991-1995	Manager, Protein Crystallography, Molecular Structure Corp, The Woodlands, TX
1998-2003	Co-founder and Consultant, Syrrx, Inc. (Acquired by Takeda, 2003)
1998-2001	Director, Structural Genomics, Genomics Inst, Novartis Research Foundation, La Jolla, CA
2003-2018	Director, X-ray Structure Facilities, RRC, UIC
2007-2009	Co-Chair, Chancellor's Committee on the Status of LGBT Issues
2009-2014	Associate Director, Translational Technology Resources, Ctr Clinical Translational Science
2011-2014	Assistant Director, Center for Structural Biology, RRC, UIC
2011-2014	Chair, <i>Chicago Drug Discovery Consortium</i>
2012-2013	Interim Associate Director, UICentre for Drug Discovery, UIC
2012-2018	Associate Director, UI Health Biorepository, UIC
2014-2016	Co-Chair, Health Sciences Diversity Council, UIC
2014-2017	Co-Chair, Chancellor's Committee on the Status of LGBT, Queer People, and Allies, UIC
2015-2017	Affiliate, Underrepresented Minority Student Initiatives, Office of Diversity, UIC
2017-	Director, Research Initiatives, Office of Diversity, UIC
2017-	Program Coordinator, UIC/NIH Portal to Biomedical Research Careers Postbaccalaureate Research Education Program (PBRC PREP), Graduate College, UIC
2017-2019	Director, Board of Directors, Chicago Section, American Chemical Society
2018-2021	Co-Chair, UIC Latinx Student Success Initiative, Vice Provost Undergrad Affairs, UIC

RESEARCH AND TEACHING EXPERIENCE

1986-1987	Visiting Scientist, Chemistry and Biological Structure, Univ of Washington
1995-2001	Visiting Scholar, Chemistry, Univ of California, Berkeley
1996-2001	Project Manager, High-throughput Synchrotron, Adv Light Source, Berkeley Nat Lab (LBNL)
1996-2001	Project Manager, High-throughput Robotics for Protein Crystallization, LBNL
1996-2001	Staff Scientist, Physical BioSciences, LBNL
1998-2001	Visiting Investigator, Molecular Biology, Scripps Research Inst, La Jolla, CA

- 2001-2002 Senior X-ray Research Specialist, Center for Biomolecular Sciences (CBS), UIC
 2002-2003 Research Assistant Professor, CBS, UIC
 2002-2004 Instructor, ACA Summer School in Crystallography Workshop
 2003- Lectures in Biochemistry, Medicinal Chemistry, Drug Discovery, Spectroscopy, Structural Biology, Organic Chem, Health Disparities in Clinical Care, Biobanking, Ethnobotany, PharmD, Biological Sciences, and Honors courses
 2004- Research Professor, Pharmaceutical Sciences, College of Pharmacy, UIC
 2008- Associate Member, Graduate College, UIC

OTHER EXPERIENCE AND SERVICE

- 1993-2019 Session Co-Chair, American Crystallographic Association (ACA) Annual Conference
 1997-1999 Apparatus and Standard Committee, ACA (Chair, 1999)
 1989-2003 Structural Biology Review Panel, National Aeronautics and Space Administration
 2002-2004 Member, Automation Standing Comm, SER-CAT, Adv Photon Source, Argonne Nat Lab
 2006-2010 Member, U.S. National Committee for Crystallography (ex-officio, 2007-2010)
 2007-2010 Treasurer, American Crystallographic Association
 2007-2012 Member, Editorial Advising Board, *Journal of Natural Products*
 2007-2010 NSF Workshop Organizing Committee, *CyberEnabled Instrumentation in Chemistry*
 2008 Session Co-Chair, *Teaching Macromolecular Crystallography*, International Union of Crystallography (IUCr) International Conference, Osaka, Japan
 2008 Search Committee, Special Assistant to the Provost for Diversity, UIC
 2008 Diversity Advisory Committee, UIC
 2011-2012 Co-Chair, *Midwest Enzyme Chemistry Conference*
 2011-2020 Co-Editor, *Acta Crystallographica*, *Structural Chemistry*
 2012-2014 Co-organizer, *Galaxy International Bioinformatics Conference*
 2012-2014 Abraham Lincoln Fellowship Committee, Graduate College, UIC
 2013-2017 Diversity Committee, College of Pharmacy, UIC
 2014 Session Co-Chair, *Structural Validation Tools*, IUCr Int'l Conference, Montreal, Canada
 2016- Program Co-PI and Leadership Team, Latin@s Gaining Access to Networks for Advancement in Science (L@s GANAS), Office of the Vice Provost for Undergrad Affairs
 2018-2020 Member, Committee on Minority Affairs, American Chemical Society
 2019- Member, Diversifying Higher Ed Faculty in Illinois Program, Illinois Board of Higher Ed
 2019- Member, Gender Equity and Diversity Committee, IUCr

RECOGNITIONS AND AWARDS

- 1975-1979 Standard Oil Company of California Research Fellow, Chemistry, Univ of Washington
 1980-1986 Myron A. Bantrell Research Fellow in Chemical Catalysis, Caltech
 2002 Awardee, R&D 100 Awards for 2002, *Nanodrop Crystallization Robotics*

PROFESSIONAL AFFILIATIONS

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|-----------------------------------|--|
| American Chemical Society | American Crystallographic Association |
| American Society of Pharmacognosy | National Association of Diversity Officers in Higher Education |

PUBLICATIONS (Over 160 peer-reviewed journal articles, *h*-index = 55, *i10*-index = 126)
 Full publication list available upon request

PATENTS – 9 Full list available upon request