

CURRICULUM VITAE

Marina A. Petrukhina

Associate Professor, Department of Chemistry, University at Albany
Adjunct Professor, College of Nanoscale Sciences & Engineering, University at Albany
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EDUCATION

Ph. D. in Chemistry/Inorganic Chemistry, Moscow State University, Moscow Russia, **1988**
B.S./ M.Sci. in Chemistry/Radiochemistry (Honors), Moscow State University, Moscow, Russia, **1985**

PROFESSIONAL EXPERIENCE

Visiting Professor	Max-Planck Institute for Chemical Physics of Solids, Dresden, 2008
Associate Professor	Department of Chemistry, University at Albany, NY, 2006-present
Visiting Professor	University of Bordeaux 1, Centre de Recherche Paul-Pascal, 2004
Adjunct Professor	College of Nanoscale Sciences&Engineering, UAlbany, 2002-present
Assistant Professor	Department of Chemistry, University at Albany, NY, 2001-2006
Lecturer	Department of Chemistry, Texas A&M University, USA, 2000
Research Scientist	Department of Chemistry, Texas A&M University, USA, 1996-1999
Visiting Scientist	Sussex School of Chemistry, University of Brighton, UK, 1996
Visiting Scientist	Max-Planck Institute for Radiation Chemistry, Germany, 1992-1995
Research Scientist	Department of Chemistry, Moscow State University, Russia, 1989-1996

HONORS & AWARDS

The National Science Foundation Career Award, **2006-2011**
Plenary & Keynote Lectures: Solid State Chemistry II Gordon Research Conferences, Oxford, UK, **2007**; Inorganic Chemistry Gordon Research Conferences, Newport, RI, **2007**; The 37th International Conference on Coordination Chemistry (ICCC-37), Cape Town, South Africa, **2006**.
Dr. Nuala McGann Drescher Award, State of New York/United University Professions, **2005-2006**
College Arts & Sciences, University at Albany, Research Development Program Award, **2005**
College Arts & Sciences, University at Albany, Faculty Research Award Program, **2002, 2004**
NRC COBASE Fellow, US National Academy of Sciences, **2002-2003**
Ethel Ashworth-Tsutsui Memorial Award for Mentoring, Texas A&M University, **1999**
Max-Planck Fellowship, MPI for Radiation Chemistry, Germany, **1993-1994**
Scholarship for Graduate Study by Ministry of Chemical Industries, Moscow **1985-1988**
Mendeleev Scholarship for Honors Students, Moscow State University, **1983-1985**
Young Scientist Student Award by Moscow State University, **1984**

PRESENTATIONS & PUBLICATIONS

A total 103 publications in refereed journals, including 3 reviews, and 3 patents (43 manuscripts prepared at UAlbany in 2002-2008); 45 invited lectures and oral presentations, over 80 contributed poster presentations at national and international meetings

PROFESSIONAL ACTIVITIES & SERVICE

Member: American Chemical Society, Division of Inorganic Chemistry

Coordinator:

INTAS Network Cooperation (Russia, Ukraine, Germany, UK), Moscow State University, 1994-1996
COBASE International Exchange Program, UAlbany - Moscow State University, 2002-2004

Panelist:

National Science Foundation Review Panel, NIRT: Nanoscale Interdisciplinary Research Team, 2002
National Science Foundation Review Panel, NSF-MRI Instrument Acquisition, 2007

Hercules-Science Commission, Funding Major Research Infrastructure, Brussels, Belgium, 2008

Judge: Oral Presentations for the Eastern NY Junior Science and Humanities Symposium, 2003

Reviewer: ACS PRF, DOD, National Science Foundation: NSF-CHE, DMR, NSF-NATO, NSF-RUI

Outside Thesis Committee Member: Rensselaer Polytechnic Institute (1), University at Buffalo (1),
Moscow State University (3), College of Nanoscale Science and Engineering, UAlbany (1).

UAlbany Chemistry Department Thesis Committee Member: Warren Dorsch, Hak Jeon, Sherida
Johnson, Yuyan Liao, Bo Li, Woo Jin Chung, Jin Jin, Haitao Zhang

Reviewer: *Inorganic Chemistry, Dalton Transactions, Journal of Organometallic Chemistry, Journal
of Organic Chemistry, Organometallics, Journal of Coordination Chemistry, Journal of the American
Chemical Society, Inorganic Syntheses, Coordination Chemistry Reviews, Angewandte Chemie,
Chemistry – A European Journal, Journal of Solid State Chemistry, Crystal Growth & Design,
European Journal of Inorganic Chemistry, Chemistry of Materials*, 2001 – present

Organizer: The Xth Kuivila Lecture, University at Albany, Department of Chemistry, 2006;
Symposium: “Fullerene Fragments and Carbon Nanotubes: Designed Synthesis, Unusual Reactions,
and Coordination Chemistry”. The 236th National Meeting of the ACS, Philadelphia, Aug 18, 2008.

Session Chair: Zing Coordination Chemistry Conference, Mexico, March 6-9, 2008

Zing Solid State Chemistry Conference, Mexico, March 10-13, 2008

235th ACS National Meeting, Division of Inorganic Chemistry, New Orleans, LA, April 10, 2008

236th ACS National Meeting, Division of Inorganic Chemistry, Philadelphia, PA, August 18, 2008

GROUP MEMBERS

Postdoctoral Associates: Dr. Oxana V. Vassiltsova (2004-2007), Dr. Andrey Yu. Rogachev (2006-
2007), Dr. D. Krishna Kumar (2007-present), Dr. Subhendu Panda (2008-present).

Graduate Students: Alexander Filatov (PhD, 5th), Oleksandr Hietsoi (PhD, 3rd), Aaron Fournier
(PhD, 1st), Sarah Gifford (M.S., 1st), Teresa Dansereau (M.S., 1st).

Undergraduate Students: Margaret Napier, Awa Coulibaly

Graduated: Renee Becker (M.S., 2003), Colin Henck (M.S., 2005), Kristian Andreini (M.S., 2005),
Yulia Sevryugina (PhD, 2007).

Visiting Scientists: Dr. Roman V. Shpanchenko (spring 2003, winter 2006, Moscow State University,
Russian Federation), Dr. Sergey Z. Vatsadze (spring 2005, Moscow State University, Russian
Federation), Dr. Svetlana G. Baca (fall 2004, Moldova Academy of Sciences), Prof. Satoshi
Takamizawa (Dec 2004, Yokohama City University).

CHEMISTRY DEPARTMENT SERVICE

Graduate Studies Committee (2001- 2008), Finance/Means Committee (2001-2002), Faculty Search
Committee (2001-2002, 2002-2003), Forensic Initiative Committee (2002), Personnel Committee
(2002-2003), Ad Hoc Tenure and Promotion Committee (2004), Lab Coordinator Search Committee
(2003, 2005), Ad hoc Recruitment Committee (2003-2006), Ad hoc Advancement Committee (2006-
2008), Ad hoc Development Committee (2006), Search Committee for Instrumental Specialist, Chair
(2007)

UALBANY SERVICE

Dean's Advisory Group (2002), CAS Strategic Planning Committee (2003), ITS Systems Analyst Search Committee (2004), Dean of CAS Search Committee (2007)

EXTERNAL RESEARCH FUNDING

1. National Science Foundation CAREER Award (PI): Buckybowls: A Controlled Switch of Metal Coordination, 06/01/2006 - 06/01/2011.
2. Siemens AG, Germany (PI): Lewis Acidic Metal Complexes with Metal-Metal Interactions for Applications in Electronics, 09/01/2007 - 08/30/2009.
3. American Chemical Society Petroleum Research Fund Scientific Education Grant, PRF-SE (PI): Symposium Proposal for the 236th ACS Meeting "Fullerene Fragments and Carbon Nanotubes: Designed Synthesis, Unusual Reactions, and Coordination Chemistry", 06/01/2008 - 09/30/2008.
4. National Science Foundation CHE-0619422 (co-PI with Drs. Dikarev, Block, UAlbany, Hagerman, Union College, 25 %): MRI: Acquisition of a Powder X-ray Diffractometer for Research and Teaching, 09/01/2006 - 08/31/2009.
5. New York State Department of Transportation (Co-PI with Dr. M. Carpenter, CNSE, 50%): Field Portable Quantum Dot Based Hydrocarbon Sensors: Next Generation, 09/01/2006 - 03/31/2009.
6. American Chemical Society Petroleum Research Fund, PRF-AC (PI): Probing Reactivity and Coordination Limits of Open Geodesic Polyarenes, 09/01/2005 - 08/31/2007.
7. New York State Department of Transportation (Co-PI with Dr. M. Carpenter, CNSE, 50%): Development of a Portable Petroleum By-Products Chemical Sensor, 11/01/2003 - 04/30/2006.
8. Dr. Nuala McGann Drescher Leave Program (PI), State of New York/United University Professions, 09/01/2005 - 08/31/2006.
9. NYSEERDA: New York State Energy Research and Development Authority (Co-PI with Drs. M. Carpenter and S. Dhaniyala, 25 %): Micro-Scale Instrument for Aerosol Hydrocarbon Detection, 09/01/2004 - 08/31/2006.
10. American Chemical Society Petroleum Research Fund, PRF-G (PI): Supramolecular Materials: Facile Structure Recognition by Powder Diffraction, 01/01/2003 - 08/31/2005.
11. American Chemical Society Petroleum Research Fund (PI): Supramolecular Materials: Facile Structure Recognition by Powder Diffraction, Supplement for Underrepresented Minority, 06/01/2005 - 08/08/2005.
12. National Research Council, COBASE Program (PI): Recognition of Supramolecular Structures by Powder Diffraction, 05/15/2002 - 12/31/2003.
13. National Science Foundation Major Research Instrumentation (Senior Personnel): Acquisition of a CCD-Based X-ray Diffractometer, 02/01/2002 - 01/31/2005.

INTERNAL RESEARCH FUNDING

1. The CAS Research Development Program, University at Albany (PI): Toward New Materials for Gas Storage, 2005.
2. Faculty Research Award Program, University at Albany Research Foundation (PI): Novel Approach Toward Organometallic Reagents for Applications in Materials Chemistry, Catalysis, Reagent Storage and Transport, 04/15/2004 - 04/15/2005.
3. Faculty Research Award Program, University at Albany Research Foundation (PI): Study of Metal-Induced Structure and Reactivity Changes in Carcinogenic Polycyclic Aromatic Hydrocarbons, 04/15/2002 - 04/15/2003.