

Jesse Fox
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EDUCATION

University of Oklahoma, Department of Chemistry & Biochemistry, Oklahoma City, OK
Masters Degree, Bioinorganic/Inorganic/Organometallic Chemistry, July 1996

Cum Laude

GPA 3.6 / 4.0

Top 10%

University of New Mexico, Albuquerque, NM

No Degree, Inorganic Chemistry, 18 credit hours, 1993

GPA 3.33/4.0

Monmouth College, Monmouth, IL

Bachelor of Science, Chemistry (major), Mathematics (minor), May 1991

Cum Laude

GPA 3.5 / 4.0

JOB TITLE

Professor of Chemistry

Mountain View College

Work History

Professor

Mountain View College, Dallas TX

August 2004-Present

- Instructing undergraduate students in general, organic and quantitative chemistry.
- Create and change instructional curriculum
- Find internship opportunities for students
- Chaired Chemistry Curriculum for Dallas County Community College District
- Chair of Chemistry Curriculum at Mountain View College
- Advisor for MVC American Chemical Society Affiliates
- Was advisor to Chemistry & Engineering Club and Chemistry Astrophysics Club
- Tutor chemistry students on the Mountain View College campus
- Sit on various committees for Mountain View College and the Dallas County Community College District.

Science Learning Center Coordinator

Tarrant County College, Southeast Campus, Arlington TX

August 2000-August 2004

- Supervise tutors in sciences
- Provided supplementary materials for students
- Responsible for budget and purchasing materials
- Tutored students in biology, anatomy and physiology, general chemistry and organic chemistry.
- Responsible for supervising assistants in tutoring process
- Ordered materials to aid in supplementary education

- Tutored chemistry, biology and anatomy and physiology
- Substituted for lab personnel during laboratory conduction
- Instituted safety program for chemistry at Tarrant County College-Southeast
- Responsible for the upkeep of materials for labs

Lab Assistant

August 1999 – August 2000

Tarrant County College, Southeast Campus, Arlington, TX

- Prepared labs for General and Organic Chemistry labs
- Conducted reorganization and disposal of chemicals
- Constructed a safety lab protocol for labs
- Assist instructors in labs
- Formulated and mixed solutions for labs

Lab Technician

March 1997 – January 1999

Pioneer Balloons, 4001 Singleton Boulevard, Dallas, TX

- Conducted tensile, viscosity, quality test on latex
- Tested the longevity of color inks for balloons
- Investigated and conducted research on improving balloon quality
- Enforced safety as safety officer for plant
- Tested slurries and color tanks for decomposition

Adjunct Instructor

August 1997 – August 2004

North Lake College, 5001 North MacArthur Boulevard, Irving, TX

- Instructed community college and undergraduate students in *general and inorganic chemistry* course during spring, summer and fall semesters.

Receiving Clerk

Oct 1996 – March 1997

Mervyn's Department Store, Irving Mall, Irving, TX

- Received, distributed and stored store merchandise.
- Cleaned store during operating hours
- Conducted transactions on cash registers
- Remarketed merchandise

Casual Worker

Oct 1996 – Dec 1996

United States Post Office, Coppell Center

- Sorted and distributed mail for the North Texas area at the Coppell Center.

Graduate student/assistant

- Transuranide Chelation Chemistry of thorium, neodymium, lanthanum and europium with pyridine-N-phosphine oxide ligands.
- Characterization and identification of Cobalt-centered Metalloporphyrin NO complexes.
- University of Oklahoma, Norman, OK- August 1994-May 1996
Graduate Research Assistant – Tutor, Lab Instructor and Proctor
- University of New Mexico, Albuquerque, NM-September 1991-May 1994
Graduate Research Assistant – Tutor, Lab Instructor and Proctor

Research Projects

Recent Project, Brookhaven National Laboratory, Upton, New York 11973

Jun 2015-Aug 2015

- Worked on **Solubility of Perfluorocarbons Tracers used under Geothermal Conditions.**

Recent Project, Lawrence Berkeley National Laboratory, Berkeley, California 94720

Jun 2014-Aug 2014

- Worked on the **WeFoldIt** project for protein modelling.

Recent Project, Evergreen State College, Olympia, Washington 98505

Jul 2013

- Worked on *National Summer Institute on Learning Communication.*

Recent Project, Kingsborough Community College, Brooklyn, New York

Jun 2013

- Worked on *Designing and Building a Learning Community*

Recent Project, Los Alamos National Laboratory, Los Alamos, New Mexico 87544

Jun 2011- Aug 2011

- Drew up schematics and researched the air flow dynamics for Wind Tunnel process for monodispersed particles.

Recent Project, Los Alamos National Laboratory, Los Alamos, New Mexico 87544

Jun 2010 – Aug 2010

- Introduced to Wind tunnel and monodispersed particle concepts and reviewed the chemical aspects of publication involving uranium monodispersed particles.

HONORS & ACTIVITIES

- *Faculty Liaison, BNL-MVC Academic Cooperative, Brookhaven National Laboratory, 2015*
- *Faculty Liaison, LBL-MVC Academic Cooperative, Lawrence Berkeley National Laboratory, 2014*
- *National Summer Institute on Learning Communities, Evergreen State College, 2013*
- *Designing and Building a Learning Community Program, Kingsborough Community College, 2013*
- *Faculty Advisor, USDA, DEA and Brookhaven National Laboratory Field Study, 2012*
- *Faculty Liaison, LANL-MVC Academic Cooperative, Los Alamos National Laboratory, 2011*
- *Faculty Advisor, Louisiana-Mississippi USDA, Sugar Cane, Fisheries & Cotton Research, 2011*
- *Club Advisor, Chemistry & Engineering Club, MVC, 2010 to Current*
- *Faculty Liaison, LANL-MVC Academic Cooperative, Los Alamos National Laboratory, 2010*
- *Innovation of the Year, Chemistry of Art, Honorable Mention, Mountain View College, DCCCD, 2010*
- *Advisor of the Year, Chemistry Astrophysics Club, Mountain View College, DCCCD, 2007, 2008 & 2009*
- *Vision of Excellence, Mountain View College, Dallas County Community College, 2005*
- *Adjunct of the Year, North Lake College, Dallas County Community College District, 1998*
- *Graduate Student, University of Oklahoma, Under the supervision of Dr. George Richter-Addo, 1994-1996*
- *GAANN Scholar, University of Oklahoma, 1994-1996*
- *GRA, Los Alamos Laboratory, Under the supervision of Dr. Paul Smith, INC-1, Summer of 1992, 1993 and 1994*
- *Graduate Student, University of New Mexico, Under the supervision of Dr. Robert Paine, 1991-1994*
- *GAANN Scholar, University of New Mexico, 1992-1994*
- *Intern, McDonnell-Douglas Aerospace, St. Louis Operations, 1991*
- *Undergraduate Student Fellow, Oak Ridge National Laboratory, Under the supervision of Dr. Phil Britt & Dr. A.C. Buchanan III, Fall Semester, 1990*

Publications

- Li Chen, **Jesse B. Fox Jr.**, Geun-bae YI, Masood A. Khan and George B. Richter-Addo. Synthesis and molecular structures of *N,N*-dialkyl-4-nitrosoaniline adducts of formally d⁶ metalloporphyrins of ruthenium and cobalt *Journal of Porphyrins and Phthalocyanines* 5:9: 702–707, September 2001 (pages 702–707) Article first published online: 3 AUG 2001 | DOI: 10.1002/jpp.382
- Gan XM, Rapko BM, **Fox J.**, Binyamin I, Pailloux S, Duesler EN, Paine RT. A three-dimensional framework structure constructed from 2-(2-pyridyl-N-oxide) ethylphosphonic acid and Nd(III).. *Inorg Chem.* 2006 May 1;45(9):3741-5.PMID: 16634609 [PubMed]
- Gan XM, Binyamin I, Rapko BM, **Fox J.**, Duesler EN, Paine RT. Hydrogen bonded framework structures constructed from 2-(pyridyl N-oxide) methylphosphonic acid ligands and erbium(III). *Inorg Chem.* 2004 Apr 5;43(7):2443-8.PMID: 15046522 [PubMed]
- X. Gan, I. Binyamin, B.M. Rapko, **J. Fox**, E.N. Duesler and R.T. Paine “Layered Framework Structures Constructed from 2-(Pyridyl N-oxide) methylphosphonic Acid Ligands and Er (III). *Inorg. Chem.* **43**, 2443 (2004).
- X. Gan, I. Binyamin, B.M. Rapko, **J. Fox**, E.N. Duesler and R.T. Paine “Formation of a 1-D Chain Structure from Nd(III) and 2,6-bis(methylphosphonic acid)pyridine N-oxide” *Polyhedron* accepted.

Public Office

City of Grand Prairie, Texas, Voting Member of the Animal Shelter Advisory Committee, 2015-present

References

- Dr George Richter-Addo, Professor, Department of Chemistry and Biochemistry, University of Oklahoma, Norman, OK 73069. Tel: 405 325 4812. Email: griechteraddo@ou.edu
- Dr Robert Paine, Professor, Department of Chemistry and Biochemistry, University of New Mexico, Albuquerque, NM 87106. Tel: 505 277 5009. Email: rtpaine@unm.edu
- Cheryl Kisunzu, Provost, Washington Adventist University, Takoma Park, MD 20912. Tel: 301 891 4116. Email: provost@wau.edu
- Stephen Jones, Dean, Division of Science, Nursing, Arts and Physical Education, Mountain View College, Dallas, TX 75211. Tel: 214 860 8681. Email: sxj6460@dcccd.edu

PROFESSIONAL ASSOCIATIONS

Member, Faculty Association, 2004-current

Member, American Chemical Society, 2006-current