



PROFESSIONAL EXPERIENCE

- UCSF Department of Psychiatry (Feb 2016 – present)
- Lab Research Supervisor I
UCSF State Lab (Psychiatry), UCSF Sanders Lab (Psychiatry), UCSF Willsey Lab (Institute for Neurodegenerative Diseases)
 - Facilitate research activities of approximately 30 lab members: principal investigators, postdocs, graduate students, wet and dry lab staff, administrative staff, visiting scholars, and volunteers
 - Manage daily operations of labs
 - Manage post-award finances
 - Purchase all supplies and equipment
 - Manage lab inventory
 - Manage lab computers
 - Interview and hire new staff
 - Write annual staff performance reviews
 - Facilitate visa applications and renewals for staff and scholars
 - Write and renew IRB/CHR, GESCR, BUA, and MTA applications
 - Build and maintain website
- Indiana University (Aug 2000 – Dec 2015)
- Co-manager, Field-emission Scanning Electron Microscopy lab
IUPUI Integrated Nanosystems Development Institute (2012 – 2015)
 - Manage daily operations of lab
 - Maintain and troubleshoot equipment
 - Schedule use of instruments
 - Purchase supplies and equipment
 - Perform sample preparation and microscopy for research grants, graduate student theses, and contracted studies
 - Lecturer – Advanced Preventive Dentistry III (R911) Graduate Course
Indiana University School of Dentistry (2011 – 2015)
 - Master of Science in Dentistry
 - Lecture topics address advanced research and investigative technologies and their practical application in preventative dentistry, dental biomaterials, endodontics, and periodontics as well as data and image analysis techniques
 - Research Analyst (PAE3RS)
Oral Health Research Institute, Indiana University School of Dentistry (2007 – 2015)
 - Design and oversee research projects
 - Collect and analyze data
 - Write project reports
 - Act as inter-departmental liaison
 - Write grant and research proposals
 - Co-author publications
 - Maintain SQL database
 - Maintain departmental website
 - Perform image analysis with Image Pro, Optimas, ImageJ, Metamorph, OMERO
 - Conduct research using the following methods: SEM, TEM, EDS, WDS, AFM, XRD, μ CT, terahertz pulse spectroscopy, differential scanning calorimetry, 3D printing, laser engraving, confocal and fluorescence microscopy, FTIR, Raman spectroscopy, surface profilometry, Knoop and Vickers micro-hardness testing, biological sample fixation and staining, ultra-microtome sectioning RT-PCR, gel electrophoreses, immunocytochemistry, ELISA

- Supervisor, Surface Micro-hardness Testing Facility
Oral Health Research Institute, Indiana University School of Dentistry (2000 – present)
 - Train and oversee a team of staff research technicians and student employees
 - Assign workloads and schedules for clinical trials testing
 - Maintain laboratory equipment and calibration records
 - Participate in protocol development for IRB approval
 - Maintain employee safety and training records
 - Attend weekly supervisor meetings and monthly research administrator meetings

- Manager, Scanning Electron Microscopy Facility
Indiana University School of Dentistry (2007 – 2014)
 - Manage daily operations of lab
 - Maintain and troubleshoot equipment
 - Schedule use of instruments
 - Purchase supplies and equipment
 - Perform sample preparation and microscopy for research grants, graduate student theses, and contracted studies

University of California San Francisco (1996 – 1999)

- Staff Research Associate II
- *Department of Restorative Dentistry, University of California, San Francisco*
 - Manage daily operations of lab
 - Maintain, assemble, and operate custom research equipment and computer systems
 - Perform NIH-funded projects involving the applications of lasers in dental research
 - Train graduate students and visiting researchers in use of equipment

CERTIFICATES/TRAININGS

HIIPA, OSHA, GHS, SDS, EH&S, GLP, Infection Control, BBP, Radiation Safety, handling and shipping of hazardous materials
 Fluency in English and German, some Cantonese
 Windows, OS X, Linux, MS Office, LabView

PROFESSIONAL ORGANIZATIONS

Microscopy Society of America – Member, Journal Reviewer (*Microscopy and Microanalysis*)
 Indiana Microscopy Society – Indiana Affiliate of the MSA – Treasurer
 International Association of Dental Research – Member
 IUSD Dean's Staff Advisory Board

AWARDS/GRANTS

- Winner, UCSF Sustainability - Best Practices Award - Team Category (2017)
- Platinum Certification (1st/only UCSF lab award) – UCSF Green Labs Initiative (2016)
- Collaborator, NSF MRI Grant (awarded \$375,000.00), MRI – 1429241 (2014)
- First recipient, Indiana Section, American Association for Dental Research Staff Award (2013)
- Collaborator, NSF MRI Grant (awarded \$495,744.00), MRI – 1229514 (2012)
- Recipient, IUPUI Staff Bonus Award (2004)

EDUCATION

BS in Biological Sciences
 University of California, Davis
 1992

PUBLICATIONS

Fan Xu, Hao He, YaDong Liu, **Clif Duhn**, Yang Ren, Qi Liu, Mei-xian Wang, and Jian Xie, Failure Investigation of LiFePO₄ Cells under Overcharge Conditions, *Journal of the Electrochemical Society*, 159 (5) A678-A687 (2012)

Robert L Karlinsey, Anderson T Hara, and **Clif W Duhn**, Self-Organized Metal Oxide Exhibiting Enhanced Bioactivity, *Advances in Science and Technology Vol. 53 (2006) pp. 17-21*

Robert L Karlinsey, Keewook Yi and **Clif W Duhn**, Nucleation and growth of apatite by a self-assembled polycrystalline bioceramic, pg 12-19, *Bioinspiration and Biomimimetics*, No 1, March 2006

Robert L Karlinsey, Anderson T Hara, Keewook Yi and **Clif W Duhn**, Bioactivity of novel self-assembled crystalline Nb₂O₅ microstructures in simulated and human salivas, pg 16-23, *Biomedical Materials*, No 1, March 2006

Fried, Daniel S.; Murray, Michael W.; Featherstone, John D.; Akrivou, Maria; Dickenson, Kevin M.; **Duhn, Clif W.**; Ojeda, Orlando P.: Dental hard tissue modification and removal using sealed TEA lasers perating at $\lambda=9.6$ and $10.6 \mu\text{m}$., Proc. *SPIE (International Society for Optical Engineering)* Vol 3593, pg 196-203, Lasers in Dentistry V, 05/1998

Featherstone, John D.; Fried, Daniel S.; **Duhn, Clif W.**: Surface dissolution kinetics of dental hard tissue irradiated over a fluence range of 1 to 8 Joules/cm² Proc. *SPIE* Vol 3248, pg 146-151, Lasers in Dentistry IV, 04/1998

Fried, Daniel S.; Shori, Ramesh; **Duhn, Clif W.** Backspallation due to ablative recoil generated during Q-switched ER:YAG ablation of dental hard tissue, Proc. *SPIE* Vol. 3248, pg 78-85, Lasers in Dentistry IV, 04/1998
Supported by NIH/NIDR Grant R29DE12091

Shori, Ramesh; Fried, Daniel S.; Featherstone, John D.; Kokta, Milan R.; **Duhn, Clif W.**: CTE:YAG Laser Applications in Dentistry Proc. *SPIE* Vol. 3248, pg 86-91, Lasers in Dentistry IV, 04/1998
Supported by NIH/NIDR Grants R29DE12091 and R01DE09958