

CURRICULUM VITAE

David W. McCormick
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EDUCATION

Bachelor of Arts, German Studies and Molecular Biology May 2008
Pomona College, Claremont, CA
German Studies Thesis: "Der Feind: Eine Neue Übersetzung ins Englische"
Molecular Biology Thesis: "Isolation and Characterization of Novel Thermophilic Archaea and Bacteria"

RESEARCH AND WORK EXPERIENCE

Research Assistant, Urology Department Jun – Aug 2008
Dr. Ralph Clayman, University of California, Irvine, Medical Center, Orange, CA
Wrote animal use and care protocols; cared for animals pre-, post-, and intraoperatively; reviewed charts to gather data for clinical studies; performed statistical analyses of clinical and experimental data; assisted with basic surgical procedures.

Volunteer, Emergency Department Jan – Aug 2008
Tiffany Gomez, Pomona Valley Hospital Medical Center, Pomona, CA
Volunteered in the Triage and Trauma wards; interacted with patients; ensured that doctors and nurses were adequately supplied; trained new volunteers.

Research Assistant, Chemistry Department Feb 2007 – Jul 2008
Dr. EJ Crane, Pomona College, Claremont, CA
Isolated and characterized eight putatively novel species of bacteria and archaea for my senior exercise; analyzed microbial communities present in hot springs using 16S rRNA sequences; used light and scanning electron microscopy to characterize prokaryotic species; collected samples aerobically and anaerobically from terrestrial and liquid environments.

Senior Exercise, Department of German and Russian Jan – May 2008
Dr. Hans Rindisbacher, Pomona College, Claremont, CA
Translated six short stories by Erich Maria Remarque from German into English.

Open Water Scuba Diving Instructor, Liburdi's Scuba Aug 2005 – Oct 2007
Casey Connell, Costa Mesa, CA
Instructed students in Open Water, Advanced Open Water, Rescue, and Divemaster level courses in classroom, pool, and open water settings; planned dives, ensured the safety of all participants; founded recreational scuba diving club at the Claremont Colleges, serving as the Dive Safety Officer.

Research Assistant, Biology Department Jan – Mar 2006
Dr. Daniel Martinez, Pomona College, Claremont, CA
Maintained colonies of *Hydra vulgaris*.

FELLOWSHIPS

Fulbright Scholarship: Marburg, Germany. Sep 2008 – Jul 2009
Dr. Werner Liesack, Max-Planck-Institut für terrestrische Mikrobiologie
Primary project is to isolate novel species of methanotrophic bacteria from grassland soil and create a TRFLP "fingerprint" of the microbial ecology of the grassland that will be compared with other soil types. In conjunction with another project, will test for the presence of a novel pmoA

isozyme in type II methanotrophs and develop primers to allow for environmental detection of this isozyme.

TEACHING EXPERIENCE

Spring 2008 Undergraduate Teaching Assistant, Biochemistry Lab, Pomona College

PRESENTATIONS AND POSTERS

- December 2008 Co-Author of Poster Presented at the World Congress of Endourology
Shanghai, China
Louie, M., Gamboa, A., Lin, R., Kaplan, A., Khosravi, A., Truong, H., Alipanah, R., Andrade, L., Ortiz, C., McCormick, D., Box, G., Lee, H., Deane, L., Edwards, R., McDougall, E., Clayman, R.
Completely Sutureless Laparoscopic Partial Nephrectomy Using Bovine Serum Albumin Glutaraldehyde in a Survival Porcine Model.
- December 2008 Co-Author of Poster Presented at the World Congress of Endourology
Shanghai, China
Gamboa, A., Santos, R., Sargent, E., Louie, M., Box, G., Sohn, K., Truong, H., Lin, R., Khosravi, A., McCormick, D., Ornstein, D., Ahlering, T., Clayman, R., and McDougall, E.
Long-Term Impact of a Robot Assisted Laparoscopic Prostatectomy Mini-Fellowship Training Program on Post-Graduate Urologic Practice Patterns.
- December 2008 Co-Author of Poster Presented at the World Congress of Endourology
Shanghai, China
Gamboa, A., Louie, M., Box, G., Deane, L., Lee, H., Abraham, J., Kaplan, A., Andrade, L., Alipana, R., Truong, H., Sohn, K., Lin, R., Huyn, V., Ortiz, C., McCormick, D., McDougall, E., and Clayman, R.
Evaluation of Flow Characteristics in a Novel Metal Ureteric Stent in a Porcine Model.
- December 2008 Co-Author of Poster Presented at the World Congress of Endourology
Shanghai, China
Gamboa, A., Louie, M., Box, G., Abraham, J., Andrade, L., Alipana, R., Truong, H., Sohn, K., Kaplan, A., K., Lin, R., Huyn, V., Ortiz, C., McCormick, D., McDougall, E., and Clayman, R.
Manometric Assessment of Porcine Renal Pelvic Pressure and Flow: What Is the Acute Impact of the Ureteral Stent?
- December 2008 Co-Author of Poster Presented at the World Congress of Endourology
Shanghai, China
Box, G., Jain, N., McCormick, D., Kaplan, A., Pick, D., Louie, M., McDougall, E., and Clayman, R.
Distal Ureteral Management with Stapled Resection of the Bladder Cuff During Laparoscopic Nephroureterectomy: Oncologic Outcomes
- May 2008 Senior Thesis Presentation
Pomona College, Claremont, CA
Isolation and Characterization of Novel Thermophilic Archaea and Bacteria from Salton Sea Mud Volcanoes and Coso Hot Springs
- May 2008 Senior Thesis Presentation
Pomona College, Claremont, CA
The Enemy: A New Translation
- August 2007 Co-Author of Poster Presented at the Gordon Conference on Archaea
Proctor Academy, Proctor, NH
Knouf, E., Bayliss, K., McCormick D., and Crane, E.J. III. *Community Analysis of a Mud Volcano System Near the Salton Sea Utilizing Culture and Non-Culture Based Techniques*

HONORS AND AWARDS

Thesis with Distinction; Molecular Biology: 2008
Thesis with Distinction; German Studies: 2008
NSCS (National Society of Collegiate Scholars): 2004 – present
National Merit Scholar Finalist: 2004
National Honor Society: 2002 – 2004
Eagle Scout: 2002

PROFESSIONAL MEMBERSHIPS

VAAM (Vereinigung für Allgemeine und Angewandte Mikrobiologie – Association for General and Applied Microbiology) : 2008 – present
Sigma Xi: 2008 – present
PADI (Professional Association of Diving Instructors): 2005 – present

SKILLS AND LANGUAGE PROFICIENCY

Fluent in German
Extensive Knowledge of MS Office Suite
Proficient with ARB (software used to construct phylogenetic trees)