

Christopher M. Hadad
Current Research Funding
(February 8, 2015)

Current Research Support

Reactivation of Aged Acetylcholinesterase: Design and Development of Novel Therapeutics against Exposure to Organophosphorus Chemical Nerve Agents

National Institutes of Health (CounterACT, 1U01-NS087983)

C. M. Hadad (Ph.D., lead PI), R. J. Yoder (Ph.D.), C. A. McElroy (Ph.D.)

\$1,129,636 (total costs)

8/15/2014 – 7/31/2017

Rational engineering and modification of PON1 and OPH for altered substrate specificity and improved drug-like properties (Subcontract from Center for Catalytic Bioscavenger Medical Defense Research II: Discovery, Formulation and Preclinical Evaluation)

National Institutes of Health, Center of Excellence Proposal (U54-NS058183)

D. M. Cerasoli (USAMRICD) and T. J. Magliery (OSU), lead PIs

T. J. Magliery (lead PI for Project 2 of CoE), C. M. Hadad, and P. G. Wang (Georgia State)

\$2,914,666 (total costs for OSU)

10/01/2012 – 9/30/2015

Gated molecular baskets as new dynamic hosts for investigating the recognition and hydrolysis of toxic organophosphorus compounds

Defense Threat Reduction Agency (HDTRA1-11-1-0042)

J. D. Badjic (lead PI) and C. M. Hadad

\$2,407,303 (total costs)

08/22/2011 – 08/21/2016

Ultrafast Time-Resolved Studies of Reactive Intermediates

National Science Foundation (DMR-1212842)

C. M. Hadad with M. S. Platz

\$634,000 (total costs)

9/1/2012 – 8/31/2015

Pending Grant Submissions

Planning Grant: I/UCRC for Sustainable Use of Greenhouse Gases

National Science Foundation, in review

E. Grotewold (PhD, lead PI) and J. R. Parquette (co-lead PI)

\$16,105 (total costs)

4/1/2014 – 3/31/2015

Recently Ended Grant Support

Catalytic Antibody Vaccine Development for Nerve Agent Hydrolysis

Defense Threat Reduction Agency (HDTRA1-13-C-0062)

\$171,575 (total costs for OSU as sub-contract from MRIGlobal)

8/19/2013 – 8/18/2014

D. Read (PhD, MRIGlobal, lead PI), C. M. Hadad (PhD, PI at OSU), C. A. McElroy (PhD, co-I)

Reactivation of Aged Nerve Agent-AChE Adducts

Defense Threat Reduction Agency, sub-contract from USAMRICD (Sean Palmer, lead PI)

C. M. Hadad

\$471,834 (total costs for sub-contract)

5/14/2010 – 5/13/2013

Biodistribution of Biological Agents by Electron Paramagnetic Resonance Imaging

Defense Threat Reduction Agency

C. M. Hadad

\$589,328 (total costs)

6/14/2010 – 5/13/2013

Ultrafast Time-Resolved Studies of Reactive Intermediates

National Science Foundation (CHE-0743258)

C. M. Hadad with M. S. Platz

\$820,000 (total costs)

2/1/2008 – 1/31/2013

Mechanistic, Kinetic, Spectroscopic and Computational Evaluations of Organophosphinate Activity of Enzymes

National Institutes of Health, Center of Excellence Proposal (U54-NS058183)

D. Lenz, lead PI, USAMRICD

C. M. Hadad (lead PI for Project 4 of CoE), T. J. Magliery, and T. L. Gustafson

\$1,741,481 (total costs for Project 4)

10/01/2006 – 9/30/2012

Chemical glycobiology on anthracyclines

National Cancer Institute (R01-CA118208)

P. G. Wang (PhD, lead PI), D. Sun (PhD), R. M. Snapka (PhD), C. M. Hadad (PhD)

\$1,065,000 (total costs)

8/1/2007 – 5/31/2010

Probing the Dynamic Nanoscale Chirality of Folded Dendrimers for Selectivity

National Science Foundation, Collaborative Research in Chemistry (CHE-0526864)

J. R. Parquette (lead PI), T. V. RajanBabu, C. M. Hadad, and D. A. Modarelli (Akron)

\$2,610,000 (total costs)

9/1/2005 – 8/31/2010