

Scott Eagon, Ph.D.

California Polytechnic State University
1 Grand Avenue
San Luis Obispo, CA 93407
seagon@calpoly.edu

ACADEMIC POSITIONS:

- **Associate Professor** Sept. 2020—Present
Department of Chemistry and Biochemistry
California Polytechnic State University
- **Assistant Professor** Sept. 2014—Aug. 2020
Department of Chemistry and Biochemistry
California Polytechnic State University
- **Faculty Lecturer & Postdoctoral Researcher** Jan. 2011—Jul. 2014
Department of Chemistry and Biochemistry
San Francisco State University

EDUCATION:

- **Ph.D.** Chemistry and Biochemistry, University of California, Santa Cruz (CA)
Thesis Title: "Probing the Scope of TarB-X Mediated Asymmetric Reductions"
Advisor: Dr. Bakthan Singaram
2005-2010
- **B.A.** Chemistry, *magna cum laude*, Whitman College (WA)
2003-2005
- **United States Navy** Electronics Technician, Petty Officer 3rd Class
1999-2003

HIGHLIGHTS:

- Instructed more than 3,000 students in a variety of lecture and laboratory courses.
- Synthetic organic chemist with extensive experience in the synthesis of bioactive molecules, method development and reaction optimization.
- Skilled in product purification techniques including distillation, crystallization, chromatography, and liquid-liquid extraction.
- Familiar with modern instrumentation including IR, TLC, MS, GC, HPLC, and microwave reactors. Also adept with modern NMR techniques including ¹H NMR (1D & 2D), ¹³C NMR (1D, DEPT), ¹¹B NMR, ¹⁵N NMR, ¹⁹F NMR, and ³¹P NMR.
- Proficient with a variety of computational docking & visualization software platforms including PyMol, Vina, ChimeraX and iDock.

TEACHING EXPERIENCE:

- **Assistant Professor** Sept. 2014—Aug. 2020
Department of Chemistry and Biochemistry
California Polytechnic State University
Courses Taught (by Quarter):
 - Chem 110 World of Chemistry: WN18, SP18, FA18, WN19
 - Chem 216/316 Organic Chemistry I: FA14, FA15, FA16, FA17, FA19,
 - Chem 217/317 Organic Chemistry II: WN15, WN16, WN17, SP17, WN20
 - Chem 218/318 Organic Chemistry III: SP15, SP16, SP20
 - Chem 223 Org. Chemistry Lab for Life Sciences III: SP16
 - Chem 319 Adv. Organic Chem. Lab: SP15
 - Chem 377 Drugs & Poisons: WN17, W18, W19, SP19, W20, SP20

- **Faculty Lecturer** Jan. 2011—Jul. 2014
Department of Chemistry and Biochemistry
San Francisco State University
Courses Taught (by Semester):
 - Chem 101 Survey of Chemistry: SP11
 - Chem 130 Survey of Organic Chemistry: SP11, SM11
 - Chem 233 Organic Chemistry I: FA11, FA12, SP13
 - Chem 335 Organic Chemistry II: SP12, SM12, SP13, FA13
 - Chem 699 Independent Research: SP13, FA13

- **Graduate Teaching Assistant** 2005—2010
Department of Chemistry and Biochemistry
University of California, Santa Cruz
Courses Taught (by Quarter):
 - Chem 108L Organic Chemistry Lab I: FA05, FA06, FA07, WN08
 - Chem 108M Organic Chemistry Lab II: SP06, SP07, WN06, WN07
 - Chem 108A Organic Chemistry I: FA09
 - Chem 180B Organic Chemistry II: SP08
 - Chem 112N Advanced Organic Chemistry Lab I: WN10
 - Chem 112M Advanced Organic Chemistry Lab II: SP10
 - Chem 143 Advanced Organic Chemistry I: FA08

MENTORSHIP EXPERIENCE:

- **Assistant Professor** Sept. 2014—Present
Department of Chemistry and Biochemistry
California Polytechnic State University
 - Kevin Ahn (B.S. Biochemistry): Spring 2015—Spring 2016
 - Grant Koch (B.S. Biochemistry): Spring 2015—Spring 2017
 - Julia Tryhorn (B.S. Biochemistry): Spring 2015— Spring 2017
 - Cory Chaplan (M.S. Polymers & Coating Science): Summer 2015
 - Jordan Bach (B.S. Biochemistry): Fall 2015—Present
 - Brianna Sierra (B.S. Chemistry): Fall 2015— Spring 2017
 - Sierra Durham (B.S. Chemistry): Fall 2015— Spring 2017
 - Jennifer Tran (B.S. Chemistry): Fall 2015— Spring 2017
 - Bri Belanger (B.S. Biology): Fall 2015— Spring 2017
 - Nikalet Everson (B.S. Biochemistry): Fall 2015—Winter 2018
 - Kenya Yniguez (B.S. Biology): Fall 2015— Spring 2017

- Max Gomez (B.S. Biochemistry): Fall 2015— Spring 2017
- Tyler Sisley (B.S. Biochemistry): Spring 2016—Spring 2018
- Michael Walls (B.S. Biochemistry): Spring 2016—Fall 2017
- Horacio Lazaro (B.S. Biochemistry): Spring 2016— Spring 2017
- Anna Kashtanova (B.S. Biology): Summer 2016
- Lauren Loop (B.S. Biochemistry): Summer 2016—Spring 2018
- Kasey Fitzsimmons (B.S. Biology): Fall 2016—Spring 2018
- Natalie Sienko (B.S. Biology): Fall 2016—Spring 2018
- Lucy Bowen (M.S. Computer Sciences): Fall 2017— Spring 2018
- Dennis Li (B.S. Computer Engineering): Fall 2017— Spring 2018
- Derek Nola (B.S. Computer Engineering): Fall 2017— Spring 2018
- Brandon Nguyen (B.S. Biochemistry): Spring 2017— Spring 2019
- Jarvis Law (B.S. Chemistry): Spring 2017— Spring 2019
- Bogdan Popa (B.S. Biochemistry): Spring 2017— Spring 2019
- Aashrita Manjunath (B.S. Biochemistry): Spring 2017—Spring 2019
- Nathan Soderberg (B.S. Biochemistry): Spring 2017—Winter 2019
- Ryan Schioldager (B.S. Biochemistry): Spring 2018—Spring 2020
- Joshua Gieschen (B.S. Biochemistry): Spring 2018— Spring 2020
- Eric Schwegman (B.S. Biochemistry): Spring 2018— Spring 2020
- Ivan Hernandez (B.S. Chemistry): Spring 2018— Spring 2020
- Spenser Platt (B.S. Biochemistry): Spring 2018— Spring 2020
- Hunter Wood (B.S. Biochemistry): Spring 2018— Spring 2020
- M. Cole Detels (B.S. Biology): Spring 2019—Present
- Metty Verbarendse (B.S. Biomedical Engineering): Spring 2019—Present
- Adam Cronin (B.S. Chemistry): Spring 2019—Present
- Mary Ronquillo (B.S. Biology): Spring 2019—Present
- Jessica Travis (B.S. Biology): Spring 2019—Present
- Eli O'Brien (B.S. Biology): Spring 2019—Present
- Tyler Leon (Paso Robles High School): Summer 2019
- Kimiya Ganjooi (B.S. Biology): Spring 2020—Present
- Neil Viswanathan (B.S. Kinesiology): Spring 2020—Present
- Trevan Klug (B.S. Biology & B.S. Psychology): Spring 2020—Present
- Hunter Johnson (B.S. Biology): Spring 2020—Present
- Chloe Wong (B.S. Chemistry): Spring 2020—Present
- Julia Gibbs (B.S. Biochemistry): Spring 2020—Present

- **Faculty Lecturer**

Jan. 2011—Jul. 2014

Department of Chemistry and Biochemistry
San Francisco State University

- Nick Whittington-Davis (B.S. Chemistry): 2013-2014

- **Graduate Student**

2005—2010

Department of Chemistry and Biochemistry
University of California, Santa Cruz

- Katie Yan (B.S. Chemistry): 2007-2008
- Nick Ball-Jones (Ph.D. Organic Chemistry) 2007-2009
- Cassandra Delieto (B.S. Chemistry) 2008-2010
- Matthew Buckman (MSES Civil Engineering) 2009-2010

PUBLICATIONS:

- 1) **Eagon, Scott**; Hammill, Jared T.; Bach, Jordan; Everson, Nikalet; Sisley, Tyler A.; Walls, Michael J.; Durham, Sierra; Pillai, Dylan R.; Falade, Mofolusho O.; Rice, Amy L.; Kimball, Joshua J.; Lazaro, Horacio; DiBernardo, Celine; Guy, R. Kiplin. "Antimalarial Activity of Tetrahydro- β -carbolines Targeting the ATP Binding Pocket of the *Plasmodium falciparum* Heat Shock 90 Protein." *Bioorg. Med. Chem. Lett.* **2020**, 30, 127502.
- 2) Masters, Lily; **Eagon, Scott**; Heying, Michael. "Evaluation of Scoring Methods for AutoDock Vina, Smina and iDock." *J. Mol. Graph. Model.* **2020**, 96, 107532.
- 3) Law, Jarvis; Manjunath, Aashrita; Schioldager, Ryan; **Eagon, Scott**. "Microwave-Assisted Preparation of 1-Aryl-1*H*-pyrazole-5-amines." *J. Vis. Exp.*, **2019**, 148, e59896.
- 4) Bowen, Lucy R.; Li, Dennis J.; Nola, Derek T.; Anderson, Marc O.; Heying, Michael; Groves, Adam T.; **Eagon, Scott**. "Identification of Potential Zika Virus NS2B-NS3 Protease Inhibitors via Docking, Molecular Dynamics and Consensus Scoring-Based Virtual Screening." *J. Mol. Model.*, **2019**, 25, 194.
- 5) Everson, Nikalet; Yniguez, Kenya; Loop, Lauren; Lazaro, Horacio; Belanger, Briana; Koch, Grant; Bach, Jordan; Manjunath, Aashrita; Schioldager, Ryan; Law, Jarvis; Grabenauer, Megan; **Eagon, Scott**. "Microwave Synthesis of 1-Aryl-1*H*-pyrazole-5-amine." *Tetrahedron Lett.*, **2019**, 60, 72-74.
- 6) Durham, Sierra; Sierra, Brianna; Gomez, Maximillian; Tran, Jennifer; Anderson, Marc; Whittington-Davis, Nick; **Eagon, Scott**. "Synthesis of β -Carbolines via a Silver Mediated Oxidation of Tetrahydro- β -carbolines." *Tetrahedron Lett.*, **2017**, 58, 2747-2750.
- 7) Bayih, Abebe; Folefoc, Asonga; Mohon, Abu; **Eagon, Scott**; Anderson, Marc; Pillai, Dylan. "In Vitro and In Vivo Anti-Malarial Activity of Novel Harmine-Analog Heat Shock Protein 90 Inhibitors: A Possible Partner for Artemisinin." *Malar. J.* **2016**, 15, 579.
- 8) **Eagon, Scott**; Anderson, Marc. "Microwave-Assisted Synthesis of Tetrahydro- β -carbolines and β -Carbolines." *Eur. J. Org. Chem.* **2014**, 8, 1653-1665.
- 9) Bailey, Christopher; Murphy, Chris; Clary, Jacob; **Eagon, Scott**; Gould, Naomi, Singaram, Bakthan. "Reaction of Grignard Reagents with Diisopropylaminoborane. Synthesis of Alkyl, Aryl, Heteroaryl, and Allyl Boronic Acids from Organo(diisopropyl)aminoborane by a Simple Hydrolysis." *Heterocycles* **2012**, 86, 331-342.
- 10) Saavedra, Jaime; Resendez, Angel; Rovira, Alexander; **Eagon, Scott**; Haddenham, Dustin; Singaram, Bakthan. "Reaction of In_3Cl with Various Reducing Agents: In_3Cl - NaBH_4 Mediated Reduction of Aromatic and Aliphatic Nitriles to Primary Amines." *J. Org. Chem.* **2012**, 77, 221-228.
- 11) Haddenham, Dustin; Baily, Christopher; Vu, Chau; Nepomuceno, Gabby; **Eagon, Scott**; Pasumansky, Lubov; Singaram, Bakthan. "Lithium Aminoborohydrides 17. Palladium Catalyzed Borylation of Aryl Iodides, Bromides, and Triflates with

Diisopropylaminoborane Prepared from Lithium Diisopropylaminoborohydride." *Tetrahedron* **2011**, 67, 576-583.

- 12) **Eagon, Scott**; Ball-Jones, Nicholas; Haddenham, Dustin; Saavedra, Jaime; DeLieto, Cassandra; Buckman, Matthew; Singaram, Bakthan. "Enantioselective reduction of α -Substituted Ketones Mediated by the Boronate Ester TarB-NO₂." *Tetrahedron Lett.* **2010**, 51, 6418-6421.
- 13) **Eagon, Scott**; DeLieto, Cassandra; McDonald, William; Haddenham, Dustin; Saavedra, Jaime; Kim, Jinsoo; Singaram, Bakthan. "Mild and Expedient Asymmetric Reductions of α,β -Unsaturated Alkenyl and Alkynyl Ketones by TarB-NO₂ and Mechanistic Investigations of Ketone Reduction." *J. Org. Chem.* **2010**, 75, 7717-7725.
- 14) Haddenham, Dustin; Pasumansky, Lubov; DeSoto, Jamie; **Eagon, Scott**; Singaram, Bakthan. "Reductions of Aliphatic and Aromatic Nitriles to Primary Amines with Diisopropylaminoborane." *J. Org. Chem.* **2009**, 74, 1964-1970.
- 15) **Eagon, Scott**; Kim, Jinsoo; Singaram, Bakthan. "Mild and Practical Reductions of Prochiral Ketones to Alcohols Using the Chiral Boronic Ester TarB-H." *Synthesis* **2008**, 23, 3874-3876.
- 16) **Eagon, Scott**; Kim, Jinsoo; Yan, Katie; Haddenham, Dustin; Singaram, Bakthan. "Asymmetric Reductions Using the Chiral Boronic Ester TarB-H: a Practical and Inexpensive Procedure for Synthesizing Chiral Alcohols." *Tetrahedron Lett.* **2007**, 48, 9025-9029.
- 17) Kim, Jinsoo; **Eagon, Scott**; Singaram, Bakthan. "(4R,5R)-2-(3-Nitrophenyl)-1,3,2-dioxaborolane-4,5-dicarboxylic Acid" e-EROS Electronic Encyclopedia of Reagents for Organic Synthesis **2006**.

PRESENTATIONS:

- 1) Wood, Hunter; Hernandez, Ivan; Gieschen, Josh; Viswanathan, Neil; Gibbs, Julia; **Eagon, Scott**. "Synthesis of Inhibitors of Cathepsin B as a Treatment for Anthrax and Ebola." *260th American Chemical Society Meeting and Exposition*, Virtual Conference. August 17, **2020**.
- 2) Schwegman, Eric; Verbarendse, Maetja; Travis, Jessica; Ganjooi, Kimiya; Wong, Chloe; **Eagon, Scott**. "Synthesis of Benzoxazole Inhibitors Targeting Kinase CK2." *260th American Chemical Society Meeting and Exposition*, Virtual Conference. August 17, **2020**.
- 3) Schioldager, Ryan; Cronin, Adam; O'Brien, Eli; Klug, Trevan; Johnson, Hunter; Liyanage, Duminda; **Eagon, Scott**. "Synthesis of 2-Aminooxazole Inhibitors Targeting Kinase STK-16." *260th American Chemical Society Meeting and Exposition*, Virtual Conference. August 17, **2020**.
- 4) Platt, Spenser; Detels, M. Cole; Ronquillo, Mary Rose; **Eagon, Scott**. "Therapeutics Targeting the Iron Acquisition Systems of *E. coli* for the Treatment of Urinary Tract Infections." *260th American Chemical Society Meeting and Exposition*, Virtual Conference. August 17, **2020**.

- 5) Cronin, Adam; **Eagon, Scott**. "Novel 2-Aminooxazole Inhibitors of Kinase STK16." *Frost Summer Research Symposium*, California Polytechnic State University, San Luis Obispo, CA. August 14, **2020**.
- 6) Platt, Spenser; **Eagon, Scott**. "Development of Therapeutics Targeting the Iron Acquisition System of *E. Coli* to Treat Urinary Tract Infections." *Frost Summer Research Symposium*, California Polytechnic State University, San Luis Obispo, CA. August 16, **2019**.
- 7) Schwegman, Eric; Popa, Bogdan D.; Verbarendse, Maetja; Travis, Jessica; Leon, Tyler D.; Liyanage, Duminda; **Eagon, Scott**. "Synthesis of Benzoxazole Inhibitors of Kinase CK2." *Frost Summer Research Symposium*, California Polytechnic State University, San Luis Obispo, CA. August 16, **2019**.
- 8) Hernandez, Ivan; Wood, Hunter; Platt, Spenser; Gieschen, Josh; **Eagon, Scott**. "Investigation of Amodiaquine Derivatives as a Treatment for Anthrax and Ebola." *Frost Summer Research Symposium*, California Polytechnic State University, San Luis Obispo, CA. August 16, **2019**.
- 9) Schioldager, Ryan; Manjunath, Aashrita; Soderberg, Nathan; Cronin, Adam; O'Brien, Eli; Liyanage, Duminda; **Eagon, Scott**. "Synthesis of 2-Aminooxazole Inhibitors of Kinase STK16." *258th American Chemical Society Meeting and Exposition*, San Diego, CA. August 25, **2019**.
- 10) Platt, Spenser; Hernandez, Ivan D.; Wood, Hunter; Gieschen, Josh; **Eagon, Scott**. "Synthesis of Cathepsin B Inhibitors as Treatment Targeting Anthrax and Ebola." *258th American Chemical Society Meeting and Exposition*, San Diego, CA. August 25, **2019**.
- 11) Popa, Bogdan D.; Schwegman, Eric; Verbarendse, Maetja; Travis, Jessica; Liyanage, Duminda; **Eagon, Scott**. "Synthesis of Benzoxazole Inhibitors of Kinase CK2." *258th American Chemical Society Meeting and Exposition*, San Diego, CA. August 25, **2019**.
- 12) Schioldager, Ryan; Manjunath, Aashrita; Soderberg, Nathan; Cronin, Adam; O'Brien, Eli; Liyanage, Duminda; **Eagon, Scott**. "Synthesis of 2-Aminooxazole Inhibitors of Kinase STK16." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 17, **2019**.
- 13) Popa, Bogdan; Schwegman, Eric; Verbarendse, Maetja; Travis, Jessica; Liyanage, Duminda; **Eagon, Scott**. "Synthesis of Benzoxazole Inhibitors of Kinase CK2." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 17, **2019**.
- 14) Platt, Spenser; Hernandez, Ivan; Wood, Hunter; Gieschen, Josh; **Eagon, Scott**. "Synthesis of Cathepsin B Inhibitors as a Treatment Targeting Anthrax and Ebola." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 17, **2019**.
- 15) Masters, Lily; Heying, Michael; **Eagon, Scott**. "Consensus Scoring of Three Free Structure-Based Virtual Screening Docking Programs Does Not Outperform One Individually." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 17, **2019**.

- 16) Manjunath, Aashrita; Schioldager, Ryan; **Eagon, Scott**. "Construction of the 5-Aminooxazole Probe Care Targeting Kinase STK-16." *Frost Summer Research Symposium*, California Polytechnic State University, San Luis Obispo, CA. August 29, **2018**.
- 17) Law, Jarvis; Sapper, Erik; **Eagon, Scott**. "Exploration of Functionalized Carbolines for Antimicrobial Applications." *Frost Summer Research Symposium*, California Polytechnic State University, San Luis Obispo, CA. August 29, **2018**.
- 18) Fitzsimmons, Kasey; Sienko, Natalie; Nguyen, Brandon; Law, Jarvis; Manjunath, Aashrita, **Eagon, Scott**. "Investigation of 4,4-Disubstituted Cyclohexanone Derivatives as Potential Treatments for Multi-Drug Resistant Malaria." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 19, **2018**.
- 19) Popa, Bogdan D.; Schwegman, Eric; Soderberg, Nathan; Liyanage, Duminda; **Eagon, Scott**. "Synthesis of Benzoxazole Inhibitors of Kinase CK2." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 19, **2018**.
- 20) Manjunath, Aashrita; Schioldager, Ryan; Liyanage, Duminda; **Eagon, Scott**. "Synthesis of 2-Aminooxazole Inhibitors of Kinase STK-16." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 19, **2018**.
- 21) Bowen, Lucy; Li, Dennis; Nola, Derek; **Eagon, Scott**. "MPiDock." *Computer Engineering Capstone Design Expo*, California Polytechnic State University, San Luis Obispo, CA. March 15, **2018**.
- 22) Fitzsimmons, Kasey; Sienko, Natalie; **Eagon, Scott**. "Investigation of 4,4-Disubstituted Cyclohexanone Derivatives as Potential Treatments for Multi-Drug Resistant Malaria." *Frost Summer Research Symposium*, California Polytechnic State University, San Luis Obispo, CA. August 18, **2017**.
- 23) Koch, Grant; Tryhorn, Julia; Ahn, Kevin; Belanger, Bri; Yniguez, Kenya; Lazaro, Horacio; Kashtanova, Anna; **Eagon, Scott**. "Synthesis of Anti-Malarial Compounds Targeting the APT4 Protein in *Plasmodium Falciparum*." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 19, **2017**.
- 24) Sierra, Brianna; Durham, Sierra; Tran, Jennifer; Gomez, Max; **Eagon, Scott**. "Synthesis of β -Carbolines via a Silver-Mediated Oxidation of Tetrahydro- β -carbolines." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 19, **2017**.
- 25) Loop, Lauren; Yniguez, Kenya; Belanger, Bri; Lazaro, Horacio; Koch, Grant; **Eagon, Scott**. "Cooked to Perfection: Microwave Synthesis of 5-Aminopyrazole Derivatives." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 19, **2017**.
- 26) Fitzsimmons, Kasey; Sienko, Natalie; Nguyen, Brandon; Law, Jarvis; Manjunath, Aashrita; **Eagon, Scott**. "Investigation of 4,4-Disubstituted Cyclohexanone Derivatives as Potential Treatments for Multi-Drug Resistant Malaria." *College of*

Science and Math Student Research Conference, California Polytechnic State University, San Luis Obispo, CA. May 19, **2017**.

- 27) Koch, Grant; Tryhorn, Julia; Ahn, Kevin; Belanger, Bri; Yniguez, Kenya; Lazaro, Horacio; Kashtanova, Anna; **Eagon, Scott**. "Synthesis of Anti-Malarial Compounds Targeting the APT4 Protein in *Plasmodium Falciparum*." *253rd American Chemical Society Meeting & Exposition*, San Francisco, CA. April 2, **2017**.
- 28) Everson, Nikalet; Bach, Jordan; Sisley, Tyler; Walls, Michael; **Eagon, Scott**. "Anti-Malarials Targeting the Heat Shock 90 Protein of *Plasmodium Falciparum*." *253rd American Chemical Society Meeting & Exposition*, San Francisco, CA. April 2, **2017**.
- 29) Sierra, Brianna; Durham, Sierra; Tran, Jennifer; Gomez, Max; **Eagon, Scott**. "Synthesis of β -Carbolines via a Silver-Mediated Oxidation of Tetrahydro- β -carbolines." *253rd American Chemical Society Meeting & Exposition*, San Francisco, CA. April 2, **2017**.
- 30) Yniguez, Kenya; Moreno, Timothy; McDonald, Ashley; **Eagon, Scott**; Jones, Eric. "Toward Raman-Based Diagnostics for Amatoxins: Synthetic, Computational and Spectroscopic Studies on Analogs of the Substituted Tryptathionine Sulfoxide Core of Amanitins, the Peptide Toxins of *Amanita Phalloides*." *253rd American Chemical Society Meeting & Exposition*, San Francisco, CA. April 2, **2017**.
- 31) Everson, Nikalet; Walls, Michael; **Eagon, Scott**. "Turning Up the Heat on Malaria: Targeting PfHsp90 in Multi-Drug Resistant Malaria." *Mustang Family Weekend*, California Polytechnic State University, San Luis Obispo, CA. October 21, **2016**.
- 32) Everson, Nikalet; Bach, Jordan; Max Gomez; **Eagon, Scott**. "Advancements in Carboline Chemistry to Combat Multi Drug-Resistant Strains of Malaria." *Frost Summer Research Symposium*, California Polytechnic State University, San Luis Obispo, CA. August 12, **2016**.
- 33) Anna Kashtanova; Horacio Lazaro; Lauren Loop; Kenya Yniguez; **Eagon, Scott**. "Development of Anti-Malarial Drugs: The Fight Against Multi-Drug Resistant Malaria." *Frost Summer Research Symposium*, California Polytechnic State University, San Luis Obispo, CA. August 12, **2016**.
- 34) Everson, Nikalet; Bach, Jordan; Sisley, Tyler; Walls, Michael; **Eagon, Scott**. "Turning Up the Heat on Malaria: Targeting PfHsp90 in Multi-Drug Resistant Malaria." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 13, **2016**.
- 35) Durham, Sierra; Sierra, Brianna; Tran, Jennifer; Gomez, Max; **Eagon, Scott**. "Synthesis of β -Carbolines by Silver-Mediated Oxidation." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 13, **2016**.
- 36) Ahn, Kevin; Tryhorn, Julia; Koch, Grant; Yniguez, Kenya; Lazaro, Horacio; **Eagon, Scott**. "The Synthesis of Anti-Malarial Drug Derivatives." *College of Science and Math Student Research Conference*, California Polytechnic State University, San Luis Obispo, CA. May 13, **2016**.

- 37) Ahn, Kevin; Tryhorn, Julia; Koch, Grant; **Eagon, Scott**. "Development of New Treatments for Multi-Drug Resistant Malaria." *Frost Summer Research Symposium*, California Polytechnic State University, San Luis Obispo, CA. August 13, **2015**.
- 38) **Eagon, Scott**. "Microwave Assisted Synthesis of Tetrahydro- β -carbolines and β -Carbolines as Potential Anti-Malarial Agents." University of California Santa Cruz, Santa Cruz, CA., October 10, **2013**.
- 39) **Eagon, Scott**. "Microwave Assisted Synthesis of Tetrahydro- β -carbolines and β -Carbolines as Potential Anti-Malarial Agents." San Francisco State University, San Francisco, CA., September 13, **2013**.
- 40) **Eagon, Scott**; Delieto, Cassandra; Haddenham, Dustin; Saavedra, Jaime; Singaram, Bakthan. "Expedient and Mild Procedure for the Asymmetric Reduction of Alkynyl Ketones" Abstracts of Papers, 239th ACS National Meeting, San Francisco, CA., March 21-25, **2010**.

PATENTS:

- 1) **Eagon, Scott**; Guy, Rodney; Hammill, Jared. "Preparation of Pyrazolo[3,4-*b*]pyridines as Antimalarials." U.S. Patent Application No. 62/910,882, filed October **2019**.

MEDIA APPEARANCES:

- Cottingham, Katie. "Targeting Iron Uptake to Create a New Class of Antibiotics against UTIs." *ACS National Press Conference*, August 19, **2020**. www.acs.org/fall2020pressconferences
- Padilla, Genelle. "Cal Poly Students Produce Backup Supply of Hand Sanitizer." *KCOY*, May 22, **2020**. <https://keyt.com/news/san-luis-obispo-county/2020/05/22/cal-poly-students-produce-backup-supply-of-hand-sanitizer/>

SERVICE AND UNIVERSITY CITIZENSHIP

A. SERVICE TO DEPARTMENT

- Member, Safety Committee (Fall 2015—Present)
- Organized student registration for 260th ACS Virtual Meeting (August 2020)
- Organized faculty and student trip to 258th ACS Meeting (August 2019)
- Interim Chem110 Course Coordinator (Winter 2018)
- Chemical oceanographer search committee member (Spring 2016)
- Inorganic chemistry search committee member (Winter 2016)
- Department Webmaster (Summer 2015—Spring 2017)
- Biochemistry/Organic chemistry search committee member (Spring 2015)
- Physical chemistry search committee member (Fall 2014)

B. SERVICE TO UNIVERSITY

- Organized a team of student to produce hand sanitizer for campus use during the SARS-CoV2 epidemic
 - https://calpolynews.calpoly.edu/news_releases/2020/may/hand_sanitizer
- Attended every Fall & Spring Commencement since appointment
- Advisor to the American Medical Student Association (Fall 2020—Present)
- Participated in every Fall General Orientation for new students since appointment
- Member of the Veteran Success Team (<http://veteransuccess.calpoly.edu/>)
- Participate in annual department tours of the undergraduate research labs
- Gave lab tours for 5th-8th grade children enrolled in the Learn by Doing Lab summer camp (Summer 2016, 2018 & 2019)
- Member of the Campus Hunger Program (Fall 2015—Spring 2017)
- Veterans' Success Center full-time coordinator search committee member (Fall 2017, Winter 2018)
- Advisor to the Cal Poly Undergraduate Research Association (2017-2019)
 - <https://uracalpoly.wordpress.com/>

C. SERVICE TO THE SCIENTIFIC COMMUNITY

- Maintain a custom database of millions of commercially available compounds for *in silico* screening studies which is freely available by request through my website.
- Served as a peer reviewer for a total of 15 scientific articles since appointment