

Dr. 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:

- **Associate Professor** Sept. 2020—Present
Department of Chemistry and Biochemistry
California Polytechnic State University
Courses Taught (by Quarter):
 - Chem 110 World of Chemistry: FA21, WN22
 - Chem 377 Drugs & Poisons: SP21, WN22, SP22

- **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:

- **Associate Professor** Sept. 2020—Present
Department of Chemistry and Biochemistry
California Polytechnic State University
 - Cameron Gleason (B.S. Biochemistry): Spring 2021—Present
 - Mark Troftgruben (B.S. Biology): Spring 2021—Present
 - Abby Kaplan (B.S. Biology): Spring 2021—Present

- Hannah Mora (B.S. Biology): Spring 2021—Present
- Connor Schmid (B.S. Chemistry): Spring 2021—Present
- Bella Oldenburg (B.S. Biochemistry): Spring 2021—Present
- Robby Lammert, Jr. (B.S. Biochemistry): Spring 2021—Present
- Kennedy Benavides (B.S. Microbiology): Spring 2022—Present
- Maya Shields (B.S. Chemistry): Spring 2022—Present
- Blake Fardanesh (B.S. Biology): Spring 2022—Present
- Julia Weckerle (B.S. Biology): Spring 2022—Present
- Brenden Young (B.S. Biochemistry): Spring 2022—Present
- Salvatore Deguara (B.S. Chemistry): Spring 2022—Present

- **Assistant Professor**

Sept. 2014—Aug. 2020

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. Biomed. Engineering): Spring 2019—Spring 2021
- Adam Cronin (B.S. Chemistry): Spring 2019—Spring 2021
- Mary Ronquillo (B.S. Biology): Spring 2019—Spring 2021
- Jessica Travis (B.S. Biology): Spring 2019—Spring 2021
- Eli O'Brien (B.S. Biology): Spring 2019—Spring 2021

- 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) Klug, Trevan; Cronin, Adam; O'Brien, Eli; Schioldager, Ryan; Johnson, Hunter; Gleason, Cameron; Schmid, Connor; Soderberg, Nathan; Manjunath, Aashrita; Liyanage, Duminda; Lazaro, Horacio; Kimball, Joshua J.; **Eagon, Scott**. Microwave Mediated Synthesis of 2-Aminooxazoles. *Tetrahedron Lett.*, **2022**, 88, 153555.
- 2) **Eagon, Scott**; Howland, McClane; Heying, Michael; Callant, Emma; Brar, Nimrat; Pompa, Emmett; Mallari, Jeremy P. Identification of *Plasmodium falciparum* Falcilysin Inhibitors by a Virtual Screen. *Bioorg. Med. Chem. Lett.*, **2021**, 52, 128394.
- 3) **Eagon, Scott**; Hammill, Jared T.; Fitzsimmons, Kasey; Sienko, Natalie; Nguyen, Brandon; Law, Jarvis; Manjunath, Aashrita; Wilkinson, Steven P.; Thompson, Kara; Glidden, Julia Elizabeth; Rice, Amy L.; Falade, Mofolusho O.; Kimball, Joshua J.; DiBernardo, Celine; Guy, R. Kiplin. Antimalarial Activity of 2,5-Dibenzylidenecyclohexanone Derivatives. *Bioorg. Med. Chem. Lett.*, **2021**, 47, 128216.
- 4) Zhang, Linlin; Howland, McClane; Hilgenfeld, Rolf; Anderson, Marc O.; **Eagon, Scott**. Identification of Non-Covalent SARS-CoV-2 Main Protease Inhibitors by a Virtual Screen of Commercially Available Drug-Like Compounds. *Bioorg. Med. Chem. Lett.*, **2021**, 41, 127990.
- 5) Everson, Nikalet; Bach, Jordan; Hammill, Jared T.; Falade, Mofolusho O.; Rice, Amy L.; Guy, R. Kiplin; **Eagon, Scott**. Identification of *Plasmodium falciparum* Heat Shock 90 Inhibitors via Molecular Docking. *Bioorg. Med. Chem. Lett.*, **2021**, 35, 127818.
- 6) Kahlon, Gulbag; Lira, Rogelio; Masvlov, Nikolay; Pompa, Emma; Brar, Nimrat; **Eagon, Scott**; Anderson, Marc O.; Andaya, Armann; Chance, Jeff P.; Fejzic, Hannah; Keniston, Aaron; Vidal, Brian; Trieu, Nicholas; Rodriguez, Paulina; Mallari,

Jeremy P. Structure Guided Development of Potent Piperazine-Derived Hydroxamic Acid inhibitors Targeting Falcilysin. *Bioorg. Med. Chem. Lett.*, **2021**, 32, 127683.

- 7) **Eagon, Scott**; Hammill, Jared T.; Sigal, Martina; Ahn, Kevin J.; Tryhorn, Julia E.; Koch, Grant; Belanger, Briana; Chaplan, Cory A.; Loop, Lauren; Kashtanova, Anna S.; Yniguez, Kenya; Lazaro, Horacio; Wilkinson, Steven P.; Rice, Amy L.; Falade, Mofolusho O.; Takahashi, Rei; Kim, Katie; Cheung, Ashley; DiBernardo, Celine; Kimball, Joshua J.; Winzeler, Elizabeth A.; Eribez, Korina; Mittal, Nimisha; Gamo, Francisco-Javier; Crespo; Benigno; Churchyard, Alisje; Garcia-Barbazan, Irene; Baum, Jake; Anderson, Marc O.; Laleu, Beniot; Guy, R. Kiplin. Synthesis and Structure-Activity Relationship of Dual-Stage Antimalarial Pyrazolo[3,4-*b*]pyridines. *J. Med. Chem.* **2020**, 63, 11902-11919.
- 8) **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.
- 9) Masters, Lily; **Eagon, Scott**; Heying, Michael. Evaluation of Scoring Methods for AutoDock Vina, Smina and iDock. *J. Mol. Graph. Model.* **2020**, 96, 107532.
- 10) 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.
- 11) 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.
- 12) 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.
- 13) 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.
- 14) 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.
- 15) **Eagon, Scott**; Anderson, Marc. Microwave-Assisted Synthesis of Tetrahydro- β -carbolines and β -Carbolines. *Eur. J. Org. Chem.* **2014**, 8, 1653-1665.
- 16) 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.

- 17) 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.
- 18) 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.
- 19) **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- NO_2 . *Tetrahedron Lett.* **2010**, *51*, 6418-6421.
- 20) **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- NO_2 and Mechanistic Investigations of Ketone Reduction. *J. Org. Chem.* **2010**, *75*, 7717-7725.
- 21) 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.
- 22) **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.
- 23) **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.

PRESENTATIONS:

- 1) Gibbs, Julia; Viswanathan, Neil K.; **Eagon, Scott**. Synthesis of Inhibitors of Cathepsin B as a Treatment for Anthrax and Ebola. 263rd ACS National Meeting and Exposition, San Diego, CA. March 20th, **2022**.
- 2) Wong, Chloe; Ganjooi, Kimiya; Troftgruben, Mark; Mora, Hannah; **Eagon, Scott**. Synthesis of Benzoxazole Inhibitors Targeting Kinase CK2. 263rd ACS National Meeting and Exposition, San Diego, CA. March 20th, **2022**.
- 3) Johnson, Kieran; Klug, Trevan K.; Gleason, Cameron; Schmid, Connor; **Eagon, Scott**. Synthesis of 2-Aminooxazole Inhibitors Targeting Kinase STK16. 263rd ACS National Meeting and Exposition, San Diego, CA. March 20th, **2022**.

- 4) Kaplan, Abigail; Oldenburg, Isabella; **Eagon, Scott**. Therapeutics Targeting the Iron Acquisition Systems of *E. coli* for the Treatment of Urinary Tract Infections. 263rd ACS National Meeting and Exposition, San Diego, CA. March 20th, 2022.
- 5) Howland, McClane; **Eagon, Scott**. Identifying Inhibitors of SARS-CoV-2 with a Virtual Screen. Cal Poly's COVID-19-Related Research Showcase, Virtual Conference. May 20, 2021.
- 6) 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.
- 7) 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.
- 8) 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.
- 9) 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.
- 10) 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.
- 11) 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.
- 12) 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.
- 13) 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.
- 14) 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.

- 15) 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**.
- 16) 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**.
- 17) 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**.
- 18) 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**.
- 19) 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**.
- 20) 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**.
- 21) 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**.
- 22) 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**.
- 23) 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**.
- 24) 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**.
- 25) 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**.

- 26) 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**.
- 27) 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**.
- 28) 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**.
- 29) 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**.
- 30) 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**.
- 31) 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**.
- 32) 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**.
- 33) 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**.
- 34) 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**.
- 35) 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**.

- 36) 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**.
- 37) 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**.
- 38) 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**.
- 39) 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**.
- 40) 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**.
- 41) 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**.
- 42) 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**.
- 43) **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**.
- 44) **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**.
- 45) **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 No. 17/063,498, filed April **2021**

- 2) **Eagon, Scott**; Guy, Rodney; Hammill, Jared. Preparation of Pyrazolo[3,4-*b*]pyridines as Antimalarials. U.S. Patent Application No. 17/063,498, filed October **2020**.
- 3) **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

- Chair, Safety Committee (Fall 2020—Present)
- 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 29 scientific articles since appointment in numerous indexed journals including:
 - European Journal of Organic Chemistry
 - European Journal of Medicinal Chemistry
 - Synthesis
 - Tetrahedron
 - Bioorganic & Medicinal Chemistry
 - ChemMedChem
 - Journal of Medical Virology
 - Archiv der Pharmazie
- NSF grant panelist (2021)