

Adam A. Aguiar, PhD
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EDUCATION

University of Delaware, Newark, DE 2006-2011
Ph.D. in Molecular Biology and Genetics
Dissertation: "The Involvement of Insulin-Like Binding Protein 2 in Prostate Cancer Progression and Metastasis"
Advisor: Dr. Robert Sikes

University of Delaware, Newark, DE 2012
Higher Education Teaching Certificate

Fairleigh Dickinson University, Madison, NJ 2002-2006
B.S. in Biology

TEACHING

EXPERIENCE

**Associate
Professor**

Stockton University, Galloway, NJ 2011-present
Cells and Molecules Lecture 1200 (27), (r)4 (1200 ()3 (267 H-64 (1200 ()5(e6r2011-)FT-f2
Anatomy and Physiology for Health Sciences II 2260 (2)
Biodiversity and Evolution 1400 (1)
Genetics Lecture 2110 (1),
Genetics Lab 2115 (36),
Cell Biology 3190 (3),
Ecology and Saltwater Fishing GNM-2249 (10)

Adjunct

Lecturer **University of Delaware, Newark, DE** 2008-2011
Molecular Biology of The Cell (BISC402),
Advanced Cell Biology (BISC612),
Cancer Biology (BISC625),

Instructor **St. Georges Vocational High School, New Castle, DE** 2008-2009
GK-12 Program Sophomore Biology
Conducted labs/lectures.
Developed problem-based learning strategies and formative
assessment probes for which students showed learning progress

Teaching and **University of Delaware, Newark, DE** 2007
Laboratory Introduction to Microbiology Laboratory (BISC30002)

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| Stockton Federation of Teachers Workshops (8/25) | |
| - <i>Teaching for Teachers</i> | 2016 |
| - <i>Precepting Preceptors</i> | 2016 |
| Dual Credit Program: Stockton University, Galloway, NJ | |
| - <i>Co-conducted Marine Life and Seining Seminar (6/20/13) (7/3/14)</i> | 2013, 2014 |
| Attended the New Faculty Institute Pedagogy Lectures (9/3, 9/10) | 2014 |
| Attended Pedagogy Webinar by Cengage Learning (8/28) | 2014 |
| Higher Education Teaching Certification, University of Delaware | 2012 |

SCHOLARSHIP

RESEARCH EXPERIENCE

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| Principle Investigator | Stockton University, Galloway, NJ Striped Bass Tagging for Stockton in Collaboration with the American Littoral Society | 2021- |
| Co-PI and Outreach Leader | Stockton University, Galloway, NJ Combining eDNA with acoustic and video data to assess the ecology of submerged coastal structures | 2021- |
| Research Assistant | University of Delaware, Newark, DE Dr. Robert Sikes Dissertation on "The Involvement of Insulin-Like Binding Protein 2 in Prostate Cancer Progression and Metastasis" | 2006-2011 |
| Internship Research | Hoffman LaRoche, Nutley, NJ Scientific Summer Intern in Pharma Development Quality Management. Developed NMR-spectrum library for chemical inventory | 2005, 2006 |
| | Jersey Coast Angler Association, Toms River, NJ In Conjunction with Rutgers University Data Analyst for a socioeconomic study of two summer flounder tournaments in New Jersey | 2004-2005 |
| Undergraduate Research | Fairleigh Dickinson University, Madison, NJ Dr. Elizabeth Hixenbaugh, Biology Analysis of antibiotic riz (s)-1 ((-)-335 -3350 ()-3350 () (a 350 ()-3350 () (ai)-2 (s)-1 (-33 | 2004-2006 |

Covid MOA Grant Funding

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| Awarded Full Provost Faculty Opportunity Fund (PFOF) | Stockton University | 2021 (Fall) |
| Awarded Junior Faculty Support Fund | Stockton University | 2021 (Fall) |
| Provost Diversity Grant Funding for New Angles for Success Program | Stockton University | 2018 |

PUBLICATIONS

Adam A. Aguiar, [*November Surf: Will Lightning Strike Twice?*](#). The Fisherman Magazine – NJ Edition, p20-22, November, 2023

Adam A. Aguiar, [*Too Warm, Or Too Cold? Species' Preferred Temperature Ranges*](#). The Fisherman Magazine – NJ Edition, p22G-26G, October, 2023

Adam A. Aguiar, [*Inspiring a Passion for Fishing*](#). News Briefs – The Fisherman Magazine – Digital Edition, July 4th, 2022

Adam A. Aguiar, [*Love is in the Air and Under the Water*](#). The Fisherman Magazine – NJ Edition, p40G-43G, April, 2022

Adam A. Aguiar, [*LBI Beaches are His University Classroom*](#), The Sandpaper Magazine, p6&8, February 23rd, 2022 (one of 2 twin articles; the other being [*Hooked on Fishing; Studying Striped Bass on the Island*](#) written by undergraduate research student, Dylan Garrabrant)

Adam A. Aguiar, [*Barnegat Inlet Jetty Fishing: Risks, Rewards*](#), The Sandpaper Magazine, p6&8, December 1st, 2021

Adam A. Aguiar, [*Strategies to Elicit Engagement in Online Labs*](#), Faculty Focus: Higher Ed Teaching Strategies From Magna Publications - Online Student Engagement, November 17, 2021

Adam A. Aguiar, [*New Angles for Success: Mentoring Underrepresented Youth*](#), Celebrate Diversity Digest, Stockton University, October, 2021

Adam A. Aguiar, [*Beach Replenishment Discussion Not Over*](#). Press of Atlantic City, pA8, October 31st, 2021

Adam A. Aguiar, [*Beach Replenishment Is Costly in a Couple of Ways*](#). The Sandpaper Magazine, p6&10, October 6th, 2021

Adam A. Aguiar, [*Long Live Rock: Fishing Groins and Jetties*](#). The Fisherman Magazine – NJ Edition, p34-37, October, 2021

Adam Aguiar, [*Challenges of Remote Learning Can Be Beneficial*](#), The Essential Elements: School of Natural Sciences & Mathematics, Stockton University, September, 2021

Adam A. Aguiar, [*Beach Building: To Replenish, or Not?*](#), The Fisherman Magazine – NJ Edition, p32-35, September, 2021

Adam A. Aguiar, [*Bass Biology: Making Sense of Striper Sense*](#). The Fisherman Magazine – NJ Edition, p26G-30G, May, 2021

Brian Fiske and **Adam A. Aguiar**, [*Teach Scientific Methods Through a Fishing Field Trip*](#), Faculty Club – Best Lessons, Course Hero, February 23, 2020

Adam A. Aguiar, [*Eeling Stripers: July's Jetty Jocks!*](#), The Fisherman Magazine – NJ Edition, July, p14-18, 2020

Joseph K. Mitchell (**Former Student**) and **Adam A. Aguiar**, [*Improved Snag and Drop: Adapt for Success and Conservation*](#). erman Magaagop:azin– Nø19 Feuary 23,0 Td(-)3 (18,)30 (202fEM75 (k64EM8Artifact BMC 0 0 1 rg12

Lecture on

SERVICE

SERVICE-LEARNING UNDERGRADUATES

Jared Handelman (Z00381623)

Poster Presenter of "*New Angles for Success:*

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| Stockton's Boy Scouts of America Merit Badge Academy (2/25/18; 2/9/19; 2/8/20; 2/26/22; 2/25/23; 2/24/24) My research students and I taught the fishing merit badge. Instructed scouts on outdoor/angling safety, catch and release, species regulations/sustainability, fishing gear identification and usage (Co-sponsored by Boy Scouts of America and Stockton Office of Service-Learning) | 2017-2024 |
| Captain for the Jersey Shore Junior Science Symposium (Stockton Representative, Executive Committee Member, Article Reviewer, Poster Judge, Student Research Mentor, Solicitor for Participating High Schools) | 2017-2023 |
| Stockton University Faculty Senate: At-Large Senator Faculty Senator | 2016-2018; 2021-2023 |
| Biology Program's Cells and Molecules Lab Manual | |
| x Refined Exercise 2 in Lab Manual | 2023 (F) |
| x Reformed the Remote version of Lab Exercise 8 (Photosynthesis) (parts of which were used for the in-person Fall 2021 version) | 2021 (S) |
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| Search Committee for Teaching Specialist in Biology (Human Anatomy), Non-Tenure Track Position (NTTP) (Position: 000081) | 2022 |
| New Angles for Success Program - Hooked on Fishing, Not on Drugs: Youth Fishing Challenge Lake Fred, Stockton University. (6/5/22) <i>In collaboration with New Jersey Outdoor Alliance, Principle Academy Charter School, Cedar Creek High School, and Department of Environmental Protection's HOFNOD program</i> | 2022 |
| Poster Judge for Jersey Shore Science Fair | 2014-2022 |
| Project Leader for Stockton's MLK Day of Service (1/17/22) - Led students in cleaning 9 miles of trails and roads at the Edwin B. Forsythe Refuge | 2022 |
| Stockton Community Story for "Why I Got Vaxxed" Campaign | 2021 |
| Reviewer of ADA-504 Communication and Training Subcommittee's draft training session, <i>Accessibility and Accommodation in Instruction: A Professional Development Session for Faculty</i> , for the Stockton University's CTLD. (see Certificate) | 2021 |
| Aided assessment of General Studies learning objectives vital to the Middle States Commission on Higher Education (MSCHE) five-year review. - Volunteered to compile and provide the GENS Committee, Provost, and Dean with G-course assignments, assessments, and class activities | 2021 |
| Search Committee for Visiting Assistant Professor of Microbiology (Position: 100823) | 2019 |
| Middle Township intertidal reef construction for the horseshoe crab beach restoration projects Dredged-up and bagged seashells to strategically build mounds just offshore at Middle Township, Cape May, in the Delaware Bay. Such intertidal reefs provide adjacent beaches calmer waters, which are optimal spawning grounds for horseshoe crabs and other invertebrate species. Sponsored by American Littoral Society, the Department of Environmental Protection, and the Stockton University Coastal Research Center (8/10/19) | 2019 |
| Environmental Awareness/Appreciation Fishing Collaboration (5/24/19) (Stockton University-University of Delaware) | 2019 |
| Poster Judge for Galloway Township Middle School Science Fair | 2019 |
| Poster/Presentation Judge for John J. Lagrosa Conference and Exposition (5/18/19) (New Jersey Water Environment Association) | 2019 |
| Science Enrichment Academy at Stockton (SEAS) Program (Co-developed and conducted program with multiple activities, lectures, and nature trips) | 2015-2019 |
| Poster Judge for Stockton Graduate Research Symposium | 2018 |
| Poster Judge for Hess Science Fair in Mays Landing, NJ | 2018 |
| Student Tutoring (4 hours weekly) Sandy Davis | 2018-2021 |
| Carmel Apostle | 2017 |
| Stockton Fishing Club: Striped Bass and Bluefish Catch and Release Tournament Island Beach State Park (11/18) Co-coordinated the event and prize sponsors | 2017 |
| Search Committee for Assistant Professor of Biology $\frac{3}{4}$ th -time position (Spring Semester) (Position: 000917) | 2017 |
| Reviewer for textbook (Fall Semester) How Life Works, 3 rd Edition: Chapter 32; Morris J. et al, Macmillan Learning W. H. Freeman and Company | 2017 |
| Associate of Science Option 5-Year Program Review (Outside Reviewer for Brookdale Community College Science Option Program) | 2016 |
| Juror for Stockton University CSI Summer Camp (8/4) | 2016 |
| Genetics Laboratory Budget Committee | 2015 |
| Conrad Foundation Spirit of Innovation Challenge Student Research Reviewer | 2014 |
| Scholarship Application Support Letters (As demonstrated by President Saatkamp's Letter of Appreciation) | 2013 |
| Environmental Protection Activity: Washington DC Protest of Keystone Pipeline | 2013 |

Atlantic City youth were instructed in the Backyard Bass Casting activity.

My program also assisted in community cleanup measures.

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| Science, Technology, Engineering, Art and Mathematics (STEAM) Day Sponsored by Stockton University's School of Education, New Angles for Success Program, and 8 th Graders from Sovereign Avenue School (3/31/23) | 2023 |
| Kids Day at the Dock: Fishing, Crabbing, and Outdoor Youth Instruction Berkeley Striper Club and The Dock Outfitters, Seaside Heights, NJ (8/18/16, 8/24/17, 8/26/22, 8/24/23) | 2016-2023 |
| New Angles for Success Program – Youth Fishing Tutorials Heritage Park Pond, Absecon, NJ (8/20/22) | 2022 |
| IBDCL0h, Nfig 8/20/22 Principle Academy Charter S13(p 79.4.2 c2.8)6.9 en4624 T2.8 4A1 | 2022 |

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| Data Collection for State-wide Summer Flounder Tournament | 2015-2020 |
| Jersey Coast Anglers Association and Fisheries Cooperative Center Rutgers University | |
| Youth Fishing Demonstration and Seminars | 2013-2019 |
| Department of Environmental Protection's Divisions of Fish and Wildlife, Parks and Forestry, the Green Acres Program, and the Conserve Wildlife Foundation of New Jersey (9/15/13) (9/13/14) (9/12/15-9/13/15) (9/10/16) (9/9/17) (9/8/18) (9/7/19) | |
| Counselor/Judge for Youth Fishing Competition | 2019 |
| Lake Lenape, Mays Landing, NJ Sponsored by DEP and Hooked on Fishing Program (6/8/19) | |
| Hooked on Fishing Program Youth Instructor Training (5/17; 5/18; 5/19) | 2019 |
| Sponsored by the DEP and NJ Division of Fish and Wildlife Seminar on Striped Bass Anatomy/Physiology/Behavior, and Filleting Demonstration. Co-taught pedagogical techniques in using angling skill development and environmental education as a gateway to teach youth about the benefits of a healthy lifestyle and how to deal with the challenges facing them in their young lives. | |
| Youth Fishing Instruction and Tutorial for Hooked on Fishing Program (6/9/18) | 2018 |
| Hamilton FD Pond, Route 33 and Jumping Brook Road, Neptune NJ Co-sponsored by Department of Environmental Protection and Neptune Police Department | |
| Brick Township Snow Corp Volunteer (1/5/18) | |