

Michael Fasci

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Education

Washington State University, Pullman WA

Expected May 2027

Bachelor of Science in Bioengineering

Honors Student

GPA: 4.0 | Scale of 4.0

President's Honor List

Research Experience

Research Mentor – Dr. Ryan R. Driskell

August 2023 - Present

Location: Washington State University, Pullman Washington School of Molecular Sciences

- ◆ Creation of a deep hair phenomics pipeline which can digitally detect, extract, and quantify any hair fiber from a high-resolution image
- ◆ Using python to create scripts for image annotation and quantification
- ◆ Creating and optimizing computer vision models for accurate and precise segmentation masks

Research Presentations

Michael Fasci*; Jasson Makkar; Tommy Duong; Liam Broughton-Neiswanger, DVM; Iwona Driskell, Ph.D.; and Ryan Driskell, Ph.D. 2025.

March 2025

“Creating the world’s largest mammalian hair database to create a new health diagnostic tool.” Showcase for Undergraduate Research and Creative Activity (SURCA), Pullman, WA.

Michael Fasci*; Jasson Makkar; Tommy Duong; Liam Broughton-Neiswanger, DVM; Iwona Driskell, Ph.D.; and Ryan Driskell, Ph.D. 2024.

November 2024

“Creating the world’s largest mammalian hair database to create a new health diagnostic tool.” Annual Biomedical Research Conference for Minoritized Scientists. Pittsburgh, PA

Michael Fasci*; Jasson Makkar; Tommy Duong; Liam Broughton-Neiswanger, DVM; Iwona Driskell, Ph.D.; and Ryan Driskell, Ph.D. 2024.

November 2024

“Creating the world’s largest mammalian hair database to create a new health diagnostic tool.” Annual College of Veterinary Medicine Research Symposium. Pullman, WA

Jorge Flores*; **Michael Fasci***; Jasson Makkar; Iwona Driskell, Ph.D.; Ryan Driskell, Ph.D. 2024. “The Role of Lef1 in maintaining dermal extracellular matrix throughout aging.” Showcase for Undergraduate Research and Creative Activity (SURCA), Pullman, WA.

March 2024

Conferences

Annual Biomedical Research Conference for Minoritized Scientists (ABRCMS) 2024, national, in-person attendant.	2024
Pacific Northwest Student Leadership Conference 2024, local, in-person attendant	2024
Annual Biomedical Research Conference for Minoritized Scientists (ABRCMS) 2023, national, virtual attendant.	2023
Pacific Northwest Student Leadership Conference 2023, local, in-person attendant	2023

Research Awards

Voiland School of Chemical Engineering and Bioengineering Ames/Granger Scholarship	2025
Deans Notable Achievement Fund	2025
Grey Award for Molecular Sciences at SURCA Local Conference	2025
ABRCMS 2024 Presentation Award	2024
ABRCMS 2024 Partial Travel Award	2024
Scott & Linda Carson UG Fund	2024
Davidson Leadership Scholarship	2024
Deans Notable Achievement Fund	2024
Charles W. Harrison Engineering Scholarship	2024
Presidential Research Scholars Award	2023

Western Undergraduate Exchange Distinguished Cougar Award
ESTEEMED MIRA Program Trainee (NIH R25 EB027606)

2023
2023

Teaching Experiences

Honors 198 Facilitator

March 2023 - Present

- ◆ Prepares freshman Honors college students for life at college
- ◆ Help foster community and solidarity
- ◆ Provides resources and teach professionalism

Skills

Programming: Python and Matlab with a focus on dataset analysis and image processing

Technical: Tissue histology and imaging
