OMB No. 0925-0001 and 0925-0002 (Rev. 10/2021 Approved Through 09/30/2024)

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.

Follow this format for each person. DO NOT EXCEED FIVE PAGES.

NAME: Desmarais, John
eRA COMMONS USER NAME (credential, e.g., agency login): jdesmarais
POSITION TITLE: Computational Postdoctoral Fellow

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	START DATE MM/YYYY	COMPLETION DATE MM/YYYY	FIELD OF STUDY
Middlebury College, Molecular Biology and Biochemistry, Middlebury, VT	B.A.	09/2012	05/2016	Molecular Biology and Biochemistry
University of California Berkeley, Molecular and Cell Biology, Berkeley, CA	PHD	08/2016	08/2022	Molecular and Cell Biology
University of California, Berkeley, Berkeley, CA	Postdoctoral Fellow	10/2022	12/2022	Postdoctoral Fellow in the Savage lab
Cold Spring Harbor Laboratory, Cold Spring Harbor, NY	Postdoctoral Fellow	01/2023	present	Computational Postdoctoral Fellow in the Kinney Lab

A. Personal Statement

B. Positions and Honors

Positions and Scientific Appointments

2023 -	Computational Postdoctoral Fellow, Cold Spring Harbor Laboratory, Kinney Lab, Cold Spring Harbor, NY
2022 - 2022	Postdoctoral Fellow, University of California, Berkeley, Savage Lab, BERKELEY, CA
2017 - 2019	Graduate student instructor, University of California, Berkeley, BERKELEY, CA
2016 -	Member, Phi Beta Kappa honor society, Middlebury, VT
2016 - 2022	Graduate student researcher, University of California, Berkeley, Savage Lab, BERKELEY, CA
2015 - 2015	Amgen Scholar, University of California, Berkeley, Joint Bioenergy Institute, Keasling Lab, BERKELEY, CA
2014 - 2016	Researcher, Middlebury College, Ward Lab, Middlebury, VT
2014 - 2014	Stowers Summer Scholar, Stowers Institute for Medical Research, Matt Gibson Lab, Kansas City, MO
2013 - 2013	Researcher, Middlebury College, 2013 STEM Innovation Program, Middlebury, VT
2011 - 2012	Intern, University of Washington Medical School, Neitz Color Vision Lab, Seattle, WA

Honors

2013 - 2016	College Scholar, 6 semesters, Middlebury college
2017	The 27th Annual Western Photosynthesis Conference travel award , Western Photosynthesis conference
2016	Elbert C. Cole '15 Memorial Fund Prize, Middlebury College, Department of Biology
2016	Summa cum laude, Middlebury College
2016	High Honors, Middlebury College Department of Molecular Biology and Biochemistry
2016	Inducted Phi Beta Kappa honor society, Middlebury College
2015	Dean's List, spring semester, Middlebury College

C. Contribution to Science

D. Scholastic Performance

Scholastic Performance

YEAR	COURSE TITLE	GRADE
Middlebury College		
University of California Berkeley		
2016	MCELLBI 200A - Fundamentals of Molecular and Cell Biology	A

2016	MCELLBI 200B - Fundamentals of Molecular and Cell Biology	A
2016	MCELLBI 280A - Selected Topics in Molecular and Cell Biology	S
2016	MCELLBI 291A - Introduction to Research	A
2016	MCELLBI 293A - Research Seminar	S
2017	MCELLBI 206 - Physical Biochemistry	A
2017	MCELLBI C212A - Chemical Biology I - Structure, Synthesis and Function of Biomolecules	A+
2017	MCELLBI C212B - Chemical Biology II - Enzyme Reaction Mechanisms	A
2017	MCELLBI C212C - Chemical Biology III - Contemporary Topics in Chemical Biology	A-
2017	MCELLBI 291B - Introduction to Research	A
2017	MCELLBI 293C - Responsible Conduct, Rigor and Reproducibility in Research	S
2017	MCELLBI 295 - Careers for Life Sciences Ph.D's	S
2017	MCELLBI 218X - Research Review in Biochemistry and Molecular Biology: Chemical Reactions of Metabolism	S
2017	MCELLBI 292 - Research	A
2017	MCELLBI 380 - Teaching of Molecular and Cell Biology	S
2018	MCELLBI 218X - Research Review in Biochemistry and Molecular Biology: Chemical Reactions of Metabolism	S
2018	MCELLBI 292 - Research	A
2018	MCELLBI 218X - Research Review in Biochemistry and Molecular Biology: Chemical Reactions of Metabolism	S
2018	MCELLBI 292 - Research	S
2018	MCELLBI 294 - Current Topics in Biomedical Sciences	S
2019	MCELLBI 218X - Research Review in Biochemistry and Molecular Biology: Chemical Reactions of Metabolism	S
2019	MCELLBI 292 - Research	A
2019	MCELLBI 380 - Teaching of Molecular and Cell Biology	S
2019	MCELLBI 218X - Research Review in Biochemistry and Molecular Biology: Chemical Reactions of Metabolism	S
2019	MCELLBI 290 SEM A02 - Graduate Seminar	A+
2019	MCELLBI 290 SEM D01 - Graduate Seminar	A+
2019	MCELLBI 292 - Research	A

2019	MCELLBI 294 - Current Topics in Biomedical Sciences	S
2020	MCELLBI 218X - Research Review in Biochemistry and Molecular Biology: Chemical Reactions of Metabolism	S
2020	MCELLBI 290 - Graduate Seminar	A
2020	MCELLBI 292 - Research	A
2020	MCELLBI 293R - Responsible Conduct of Research Refresher	S
2020	MCELLBI 295 - Careers for Life Sciences Ph.D's	S
2020	MCELLBI 218X - Research Review in Biochemistry and Molecular Biology: Chemical Reactions of Metabolism	S
2020	MCELLBI 292 - Research	A
2021	MCELLBI 218X - Research Review in Biochemistry and Molecular Biology: Chemical Reactions of Metabolism	S
2021	MCELLBI 292 - Research	A
2021	MCELLBI 218X - Research Review in Biochemistry and Molecular Biology: Chemical Reactions of Metabolism	S
2021	MCELLBI 290 - Graduate Seminar	A+
2021	MCELLBI 292 - Research	A
2022	MCELLBI 218X - Research Review in Biochemistry and Molecular Biology: Chemical Reactions of Metabolism	S
2022	MCELLBI 292 - Research	A
2022	MCELLBI 294 - Current Topics in Biomedical Sciences	S

For all University of California Berkeley graduate level courses, the scale is from A to F (A+ is awarded as a mark of achievement but both A+ and A are counted as 4.0 for GPA calculations) and passing grades are B- or higher. In this scale A+ is a 4.0, A is also 4.0, and an A- is a 3.7. S indicates a passing grade (B- or higher) in a course graded on a Satisfactory/Not Satisfactory grading scheme, courses graded on this scheme are not included in GPA calculations.