



BIOLOGY

COLORADO STATE UNIVERSITY



Upcoming **Important Dates**

October

15 - Course withdraw and repeat-delete deadlines

22 - SP19 registration opens

*** See RamWeb for your registration access time ***

November

6 - Election day

19-23 - Fall break; University closed

December

10-14 - Final exam week

14-15 - Commencement Ceremonies

19 - Fall grades available on RamWeb

24-26 - Winter break; University Closed

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Fall Semester Drop-in Hours

Every Monday through Thursday, 1-3pm

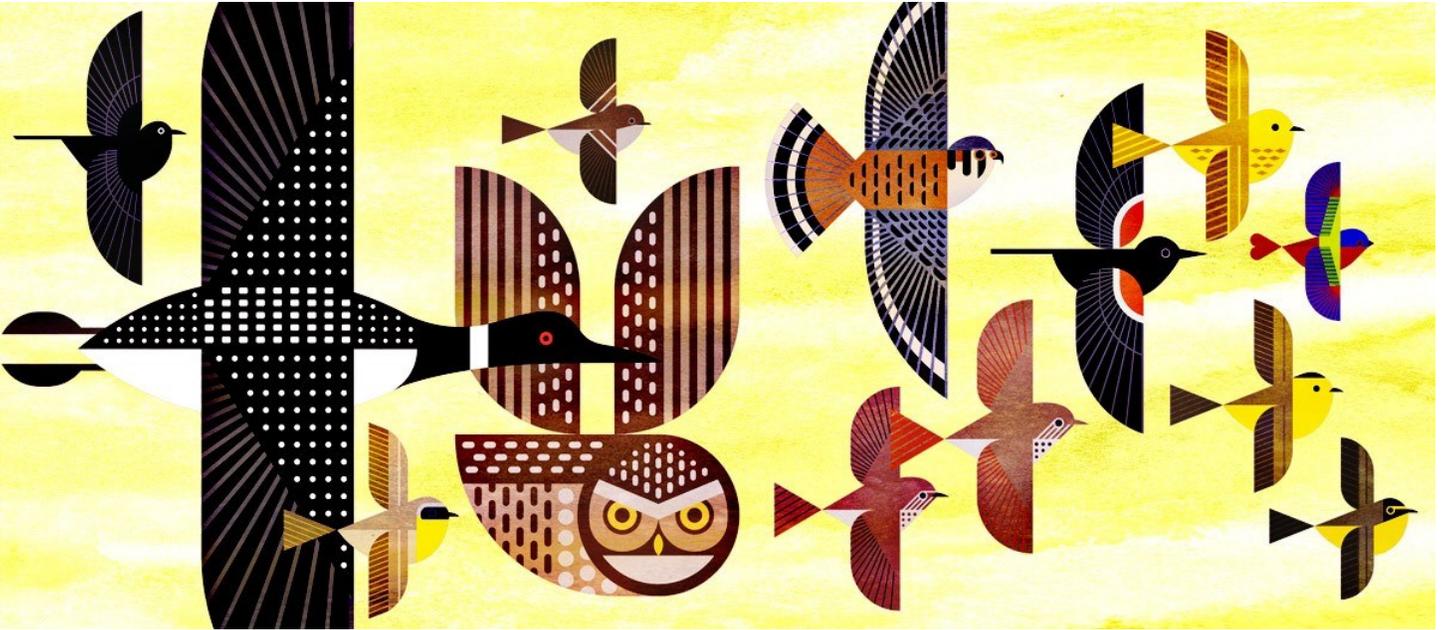
Course withdraw and Repeat-Delete

Deadline is October 15th

Additional drop-in advising

Friday October 12, 1-3pm and Monday October 15, 9-11am

FACULTY FOCUS



Dr. Ruegg in the field this past summer with one of the Bird Genoscape Project's highlighted species, the tri-colored blackbird. Tri-colored blackbird populations have plummeted in recent years leading to it being listed as endangered by the state of California.

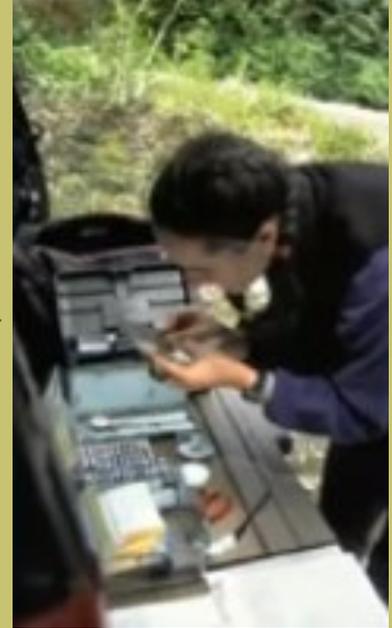
Meet Dr. Kristen Ruegg . . .

One of the newest faculty members of the Biology Department Dr. Ruegg works in the field of conservation genomics and her primary research is focused on using genomic data to inform the conservation of migratory bird species of the Americas. She is one of the founders of the Bird Genoscape Project (<https://www.birdgenoscape.org/>). This project uses genetic data collected from thousands of feathers and information gathered by a vast network of citizen scientists, organizations, and bird observatories, to compile detailed data on the distribution and migration patterns of these birds. Differences in migration routes and timing have implications for breeding patterns and species divergence. Examining these patterns can establish the genetic distributions of bird sub-populations, which can be defined as conservation units. Dr. Ruegg's research promises to provide insights on how different bird species are likely to respond to climate change and works with conservation practitioners to communicate implications for management efforts.

FACULTY FOCUS

The Journey . . .

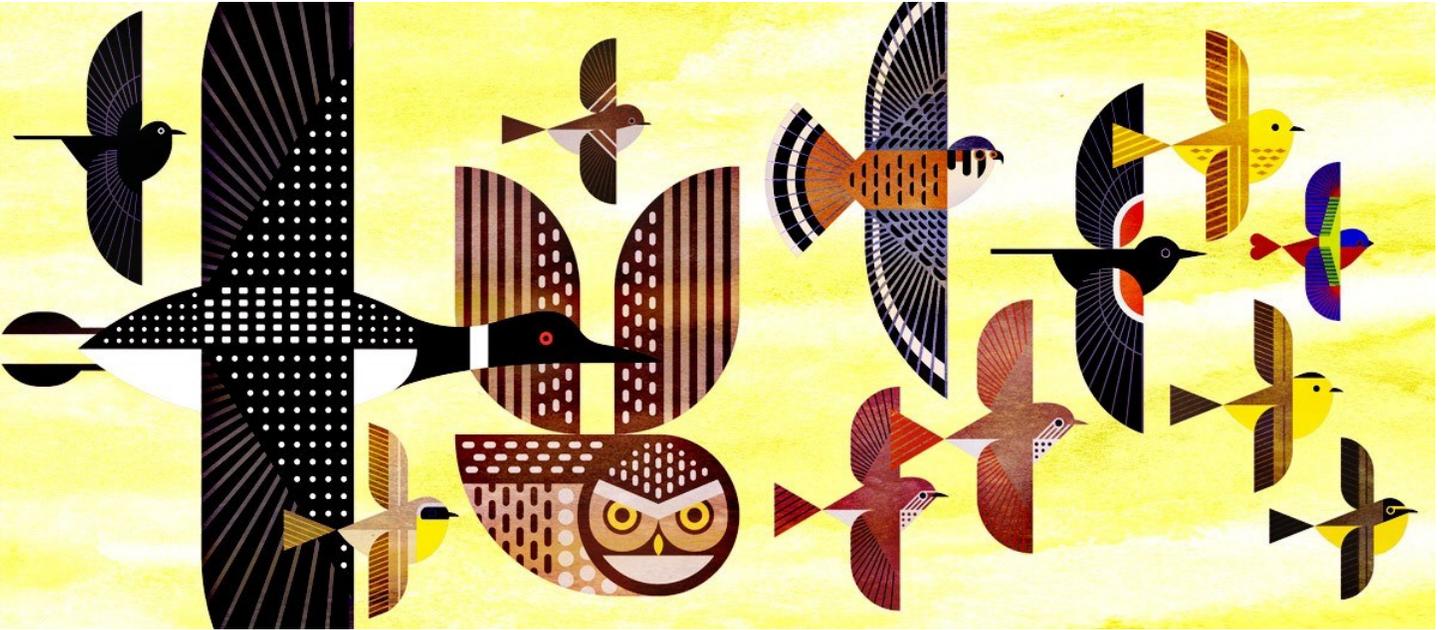
Dr. Ruegg has spent a lot of time living along the west coast, recently leaving her faculty position at UCLA to join us here at CSU! Growing up in California she was inspired to become a scientist by her grandparents who encouraged her to get outside and experience nature. She went to college at the University of Oregon where she participated in the Honors program. There, she had her first research experience working on a project investigating the effects of photoperiod on mosquito development and how climate change could also impact the life history of these animals. Next, she moved on to San Francisco State University where she earned a master's degree while investigating genetic differences among populations of the Swainson's thrush. She then continued her studies on the Swainson's thrush at UC Berkeley, expanding on her previous research, and asking questions about the migration patterns of this species. As a post-doc at Stanford, Dr. Ruegg turned her studies from birds to mammals. She used genetic information from current baleen whale populations to estimate the size of whale populations before commercial whaling began and to help set catch limits for the modern whaling industry. The common thread through the years of research has been using genetics to understand how wild animals are impacted by human disturbance and to assess how animals may adapt to climate change.



Here and Now . . .

This is Dr. Ruegg's first semester here at CSU, so she is still in the process of getting her research lab up and running here – she is on the lookout for new lab members (for details see her [lab website](#)). It won't be long before students have the opportunity to take some classes with Dr. Ruegg – she will likely be teaching LIFE 102 for the Spring 2019 semester and she plans to offer a course on Conservation Genomics in the near future as well! When asked what she enjoys most about teaching, Dr. Ruegg said that she enjoys inspiring students and she feels that enthusiasm is the key – she really loves her work and it is fun to find ways to divide information into manageable chunks so that students can get the most out of her classes. She “loves students” and is excited to start working with undergrads here at CSU!

FACULTY FOCUS



Getting Involved . . .

Dr. Ruegg expects to have opportunities for undergraduates to get involved with her lab and the Bird Genoscape Project at CSU soon. The type of work and time commitment will vary depending on what the student wants to get out of the experience. There are always feathers to catalog and field reports to be entered into the database – volunteers might expect to spend a few hours per week helping out with these tasks. For students who are willing to commit to becoming proficient in performing molecular and more advanced data analysis techniques, a larger investment of perhaps 5 – 10 hours per week would be required. Dr. Ruegg is also interested in mentoring students who are motivated to develop their own research projects, this would require an even bigger commitment of time and effort.

Undergraduate students that are interested in working with Dr. Ruegg should be enthusiastic, hard-working, be able to demonstrate exceptional attention to detail, and be willing to persevere when the science gets rough! The best way to let Dr. Ruegg know that you would like to get involved is to send her an email (kruegg@rams.colostate.edu) detailing your interests and what areas of the Bird Genoscape Project you are most excited about. It is a good idea to have read a couple of her recent publications and to have some thoughtful questions about that research! Students should also attach a Curriculum Vitae (CV – an academic resume) outlining relevant classes taken, work or volunteer experiences.

Dr. Ruegg and her family are settling in to life here in Fort Collins – there are plenty of opportunities for the things she enjoys – hiking, biking, exploring and getting to know the people - and of course the birds!



If you see Dr. Ruegg around the Biology Department be sure and say hello!

SPRING 2019 REGISTRATION

Web registration begins October 22, 2018

Be Registration Ready!

First-year and New Transfer Students

Complete any placement procedures:

- Chem Prep!!!!
- Language placement
- Math Placement
- DSP Survey

Make an appointment with an ASC to review degree requirements and get advising code. . .

Before your registration date!

Students on Academic Probation

Probation 1 students:

- Watch the Academic Success Seminar (available in Canvas Advising Portal)
- Complete the Academic Self-Assessment Worksheet

Probation 1 and Probation 2 students must schedule an appointment with an ASC for spring semester advising code. . .

Before your registration date!

Schedule your appointment here:

<http://www.biology.colostate.edu/undergraduates/advising/>

Common registration error messages and what they mean:

If you run into an error be sure to read it! You can often solve registration errors on your own without having to email an advisor and wait for a response.

Error message	What it means	When you might get it	What to do
Class level	Only students in a certain class level (fr/so or jr/sr) can register for a given course.	Few (if any) Biology courses have this restriction but other departments' courses (e.g., Psychology) may have it.	If you NEED the course, contact the home department for access.
Multiple Components Required	In addition to the lecture, you have to register for another component (lab or recitation) at the same time.	Many biology, chemistry, and physics courses are commonly associated with this error.	Check boxes for each component PRIOR to hitting "submit." Click 'view linked' to see specifically which sections of lab/recitation that must be selected.
Major Restriction	You do not have the right major for a class.	Some classes are restricted just to students in that major (Business/Art are examples); may allow non-majors to register after a certain date.	Click on the course title for details about major restriction—if the class opens to non-majors at a certain date, it will tell you that info here.
Prerequisite	You fail to meet at least one prerequisite for the class.	Click on the course title for details about the class description - prerequisites will be listed here.	You'll need to take the prerequisite courses prior to registering for the course in question. If you think this is an error, contact your advisor.
Dept. or Instructor approval	Registration for a certain class is limited and only approved on a case-by-case basis.	An example is BZ505 Cognitive Ecology - it requires permission from the instructor for undergrads to enroll.	If you seek access to a class requiring dept./instructor approval, contact the instructor listed or the department.
Stop enrollment	A department has stopped enrollment so that no one can register for the class until a problem is resolved.	Hard to say - stop enrollments can happen in any department due to unforeseen changes.	Try registering for a different section of the same class, or contact the department to find out more information.

The CSU Scholarship Application (CSUSA) Opens October 1st!

Access and submit the application through ramweb.colostate.edu

Completing the CSUSA will enter you into the applicant pool for all scholarships that you are eligible for through CSU.

NOTE: Some scholarships require supplemental information, be sure to submit all of the recommended documents for full consideration.

You must complete the FAFSA for all need-based scholarships and work-study awards.

The 2019-20 FAFSA® form is available October 1st



Fill out the Free Application for Federal Student Aid (FAFSA) form to apply for financial aid, including:

- Federal grants
- Federal student loans
- State loans
- State grants & scholarships
- Grants & scholarships from other organizations

If you don't fill out the FAFSA form you could be missing out on valuable financial aid.

Every year, there are a number of reasons students think they shouldn't complete the FAFSA form; however, the reality is that EVERYONE in college should fill it out.

Start your FAFSA today - <https://fafsa.ed.gov/>

OTHER OPPORTUNITIES

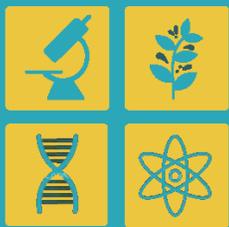
TEACH STEM



MAKE A DIFFERENCE



NSF Robert Noyce Scholarship Program

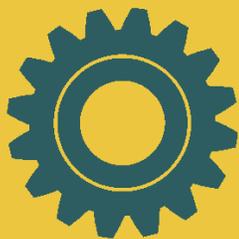


The scholarship program is for students who:

- Have earned at least 60 credits
- Are majoring in a STEM field
- Have earned at least a GPA of 3.0 to be most competitive
- Would like to pursue a career in STEM teaching

Noyce scholars will receive:

- \$10,000 scholarship per year for both Junior and Senior years
- \$1,000 stipend per year for the first two years of teaching
- Mentoring and professional development supports



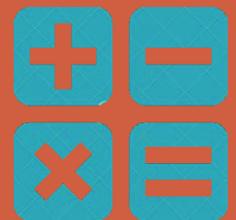
After graduation, Noyce scholars will:

- Teach 2 years in a high needs school district for every year of scholarship received
- Participate in mentoring and professional development activities

APPLY ONLINE: <http://noyce.colostate.edu>

APPLICATION DUE: March 8, 2019

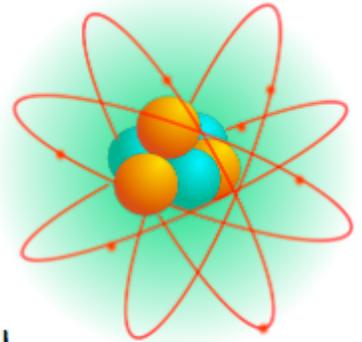
CONTACT: noyce_info@mail.colostate.edu



GET CONNECTED



BIOLOGY CLUB



NEXT MEETINGS:

OCTOBER 24 - ECOLOGY NOVEMBER 28 - TBH

DECEMBER 5 - PIZZA AND OFFICER ELECTIONS

ALL MEETINGS HELD IN NATRS 112 AT 7PM

FACEBOOK: COLORADO STATE UNIVERSITY BIOLOGY CLUB 2018 - 2019

TWITTER: @CSUBIOCLUB

INSTAGRAM: @COLOSTATEBIOLOGYCLUB

CSU Zoology Club Fall 2018

Meeting Dates:

August 27 - Welcome!

September 10 - TBD

September 24 - NWRC (national wildlife research center) Dr. Pepin

October 8 - Herpetological society

October 22 - Halloween party

November 5 - W.O.L.F

November 26 - Fort Collins Cat Rescue Spay and Neuter Clinic

Outings:

Zoo Trip - Denver Zoo September 15th

Camping Trip - Red Feather Lakes

All meetings are
held in BIO 136
@ 6:00PM

OFFERINGS FROM TILT AND THE CAREER CENTER

TILT | ACADEMIC SUCCESS WORKSHOPS

MONDAYS | 4:30 - 5:30 pm THURSDAYS | 6 - 7 pm

TILT | Room 221

Mon - Aug 27 | Thurs - Aug 30
COLLEGE BASICS

Mon - Sept 3 | Thurs - Sept 6
APPS FOR SCHOOL

Mon - Sept 10 | Thurs - Sept 13
SECRETS OF A SUCCESSFUL STUDENT

Mon - Sept 17 | Thurs - Sept 20
SPEED READING

Mon - Sept 24 | Thurs - Sept 27
MID-TERM STUDY STRATEGIES

Mon - Oct 1 | Thurs - Oct 4
ACADEMIC INTEGRITY

Mon - Oct 8 | Thurs - Oct 11
ACADEMIC RECOVERY

WELL-BEING WEDNESDAYS | Presented by CSU Health Center

WEDNESDAYS | 4:30 - 5:30 pm

TILT | Room 221

Wed - Aug 29

A FULL LIFE:

PATHWAYS TO WELL-BEING

PHYSICAL SELF-CARE WORKSHOP

TEST ANXIETY

THE STRESS LESS PROGRAM

Wed - Sept 26

RAMS TAIL FORWARD

BOOSTING BELONGING

Wed - Oct 3

CREATIVE CHILL-OUT

Wed - Sept 12

TEST ANXIETY

Wed - Sept 19

THE STRESS LESS PROGRAM

TEST ANXIETY



THE INSTITUTE FOR
LEARNING AND TEACHING
COLORADO STATE UNIVERSITY

More Information and Workshop Descriptions at
tilt.colostate.edu/learning/success-workshops

An Inclusive Career Event

Thursday,
October 4

4:00-
6:30 pm

LSC Theatre

DIVERSITY connection

RSVP Required:
career.colostate.edu

In partnership with the
Diversity Symposium

CAREER CENTER
COLORADO STATE UNIVERSITY

SPONSORED BY:



TARGET

EDUCATION ABROAD

Financial Aid & Education Abroad



Education Abroad Advising



(970) 491-6342 | educationabroad.colostate.edu

Informational Video

For basic information about financial aid for education abroad, please watch this 3-minute video prior to coming to walk-in advising: financialaid.colostate.edu/studyabroad

Financial Aid Walk-In Advising

Tuesdays & Wednesdays | 1 - 4 p.m. | Lory Student Center Room 338

Common Scholarship Application Deadlines

Summer Programs	MARCH 1
Fall/Academic Year Programs	APRIL 15
Spring/Winter Break/Spring Break Programs	OCTOBER 15

Financial Aid Advisor

Erica Norris
SpecialPrograms@colostate.edu
(970) 491-2581

External Scholarship & Fellowship Advisor

Mary Swanson
mary.swanson@colostate.edu

Walk-in Advising — Laurel Hall, Room 008

Monday - Friday | 9 a.m. - 12 p.m. & 1 - 4 p.m.

Meet with a Peer Advisor to learn more about education abroad opportunities. Coordinators are only available on Thursdays for walk-in advising.

Coordinator Appointments

If you have already talked to a peer advisor during walk-in advising and have specific questions about a particular program or region, please call or email the Education Abroad Center to make an appointment to speak directly with your education abroad coordinator.

AFRICA, MIDDLE EAST, UK & IRELAND
derek.smallwood@colostate.edu

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 **INTERNATIONAL PROGRAMS**
COLORADO STATE UNIVERSITY

educationabroad.colostate.edu



INTERNATIONAL PROGRAMS
COLORADO STATE UNIVERSITY

SCHOLARSHIPS 101

A one-stop shop for information on scholarship opportunities for education abroad through the Office of International Programs, CSU departments, and external scholarships.

Thursday, October 4 | 12 - 1 p.m. | LSC 312

BEYOND SCHOLARSHIPS

Fund your international experience with creative fundraising, crowdfunding and budgeting. Learn tools to determine your budget, make a financial plan, and fill the gap with crowdfunding campaigns like FundMyTravel.

Tuesday, October 23 | 12 - 1 p.m. | LSC 328-30

FUTURE OPPORTUNITIES



INFO SESSIONS

MS BIOMEDICAL SCIENCES

Learn about the 1-year, course-based Master of Science in Biomedical Sciences and Assisted Reproductive Technologies programs at CSU. You will receive information on:

- General Program Information
- Application Process
- Course Information
- Career Opportunities



Colorado State University
COLLEGE OF VETERINARY MEDICINE
AND BIOMEDICAL SCIENCES

LOCATION

PHYSIOLOGY 102

DATES AND TIMES

WEDNESDAY
SEPTEMBER 7
10-11AM

THURSDAY
SEPTEMBER 20
1-2PM

TUESDAY
OCTOBER 23
10-11AM

WEDNESDAY
NOVEMBER 7
1-2PM

RSVP

BMSgradinformation
@colostate.edu