The 2017 annual meeting of the **Society for the Study of Evolution** (SSE), the **Society of Systematic Biologists** (SSB), and the **American Society of Naturalists** (ASN).
Welcome

We are delighted to welcome you to *Evolution 2017*, the joint annual meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. This year’s meeting will be held from June 23-27 at the Oregon Convention Center in Portland, Oregon. Portland is an incredible destination with a convention center in the heart of town that is surrounded by great restaurants and several famous entertainment districts.

The conference is the premier annual opportunity for sharing scientific research in the broad field of evolutionary biology and we anticipate approximately 1,700 attendees. The meeting features multiple workshops and symposia, three new Spotlight sessions, 800+ contributed talks, several plenary and outreach talks, and three poster sessions. Product and service providers are also contributing through their sponsorship and exhibits.

Social activities will include an opening reception and SSE Public outreach lecture, mixers during each of three evening poster sessions, and a Super Social with open bar at the newly expanded Oregon Zoo on the final night (no speeches). With the exception of only a small additional charge for the Super Social, all of this is included with your registration.

Thanks for coming and we look forward to seeing you in Portland!

*Howard Rundle – Chief Meeting Officer*

*Mitch Cruzan - Assistant Meeting Officer*

*Danielle Wiggins – Conference Manager*

Acknowledgements

The meeting has been made possible through the hard work of many people. These include current and past members of the Joint Meeting Committee including Aneil Agrawal, Butch Brodie, Andrea Case, Becky Fuller, Lacey Knowles, Matthew Walsh, and Kelly Zamudio, who served as valuable consultants throughout. We thank Candace Brown, Stephanie Risbon, and Jory Weintraub for helping onsite. Arman Bilge coded our poster invitation and talk timing systems, Emily Behrman and Mohamed Noor organized the recording/posting of talks and archiving of posters, Stephen Christy organized our bike and hiking tours, and Alf Fink who was tasked with picking up and dropping off all the wine we will consume during the conference. Numerous local volunteers also helped in various capacities and Jory Weintraub graciously coordinated them all. To all the organizers of the various symposia, spotlight sessions, workshops, and other special events – a heartfelt thank you for your time and effort!
## Table of Contents

Welcome ................................................................................................................................. 1

Acknowledgements .................................................................................................................. 1

General Information ................................................................................................................ 3
  Venues .................................................................................................................................. 3
  Registration & Information desk ............................................................................................ 3
  Childcare & nursing ................................................................................................................ 4
  Practice room ........................................................................................................................ 4
  Message board ....................................................................................................................... 4
  Internet access & electronic devices ........................................................................................ 4
  First aid & emergencies ......................................................................................................... 5
  Conference policies .............................................................................................................. 5
  Oral presentations ................................................................................................................ 6
  Speaker Ready Room hours .................................................................................................. 7
  Poster sessions ..................................................................................................................... 8
  Super Social ........................................................................................................................ 8
  TriMet's MAX light rail ......................................................................................................... 8

Sponsors & Exhibitors ............................................................................................................... 9
  Sponsors ............................................................................................................................... 9
  Exhibitors ............................................................................................................................. 10

Dining Guide – OCC Area ..................................................................................................... 11

Field Trips ................................................................................................................................ 12

Registration Fee ...................................................................................................................... 13

Travel Support ........................................................................................................................ 14

Special Talks .......................................................................................................................... 15
  Presidential addresses .......................................................................................................... 15
  Spotlight sessions ............................................................................................................... 15
  Symposia .............................................................................................................................. 18

Special Events ......................................................................................................................... 21
  Pre-conference workshops & satellite events ...................................................................... 21
  Social events ....................................................................................................................... 26
  Council, business and other meetings ................................................................................ 27
  Special events during the meeting ..................................................................................... 28
  Post-Conference Workshop ............................................................................................... 30

Oregon Convention Center floorplan ..................................................................................... 32
General Information

Venues
The Oregon Convention Center (OCC) is the largest convention center in the Pacific Northwest, making it an ideal venue for conventions, industry trade shows, meetings and banquets. As a LEED – Platinum certified building that is located in beautiful and lively downtown Portland, the OCC is the preferred destination for many groups because of its commitment to customer service and leadership in sustainable practices.

All Evolution 2017 events will be held in the north-east portion of the building (room blocks A-C, Exhibit Hall A, and Ballrooms 201-204), close to the MAX light rail stop outside on Holladay St.

Registration & Information desk
The Registration & Information desk will be located in Pre-function A on Level 1 of the OCC and will be attended during the times listed below. Staff and volunteers will be identified by distinctive blue conference t-shirts; don’t hesitate to ask any of them for help.

Your conference registration covers attendance at most scientific events over the four days (June 23-27) including concurrent sessions, symposia, spotlight sessions, plenary addresses, and three evening poster sessions. It also includes morning and afternoon coffee breaks (June 24-27), the June 23 evening opening reception, the three evening poster session mixers with light food, and wireless access throughout the OCC. There is a small, additional charge for the conference-ending Super Social and some workshops have separate registration fees. With the exception of the Super Social, no meals are provided. The Oregon Convention Center will have a concession stand in the building on Saturday – Tuesday with coffee, drinks, and lunch available for purchase. See the Dining in Portland section later in this program for information about local restaurants.

In the interest of reducing waste, no conference bag will be provided. Your name badge is your entrance ticket to all of these events so please wear it.

Registration & information desk hours:

- Friday, June 23: 4:00 pm - 8:00 pm
- Saturday, June 24: 7:30 am - 5:30 pm
- Sunday, June 25: 8:30 am - 4:30 pm
- Monday, June 26: 8:30 am - 4:30 pm
- Tuesday, June 27: 8:30 am - 3:00 pm
Childcare & nursing
Onsite childcare services for children ages 6 months – 12 years are located in Rm A103/104 on Level 1 of the OCC. Bookings had to be made prior to June 23, 2017 (i.e. no unscheduled drop-ins). Childcare services are provided by Little Vikings Child Care, a professional organization on the campus of their sponsor, Portland State University, which normally serves PSU students, staff, and faculty. Their goal is to provide your children with a comfortable, safe, and happy experience. Snacks and beverages are provided but parents lunch is not (parents/guardians must pick up their child for lunch each day). There will be a fridge to store food/drinks but no way to heat them. Little Vikings enforces a strict NUT FREE policy. All arrangements and payments were handled directly by Little Vikings.

A quiet, private room with comfortable seating and a mini-fridge is available for nursing mothers in Rm A102 on Level 1, right near the childcare rooms.

Practice room
Between 8 am – 5 pm daily (Sat-Tues), B110 will often be available as a quiet room in which to practice your talk. It will be configured with boardroom-style seating and will have a laptop, projector and screen, but you will have to bring your presentation on a USB key (uploaded presentations will not be accessible in this room). The room is occasionally reserved for special meetings so please check the signage outside prior to entering and if it is busy, try again later.

Message board
A message board will be located near the Registration & Information desk in Pre-function A on Level 1 of the OCC. Registrants are welcome to post notices about events, jobs, announcements, and messages for other attendees.

Internet access & electronic devices
Wireless access is provided to participants free of charge throughout the OCC. No password is required.

Please remember to turn off or mute all electronic devices during all concurrent sessions.
First aid & emergencies
A pharmacy (Lloyd Center Pharmacy, 438 E Burnside St, Portland, OR 97214) is a 9 min. walk away from the Oregon Convention Center.

Call 911 immediately for life threatening situations. Life threatening situations include an apparent heart attack, stroke, serious accident or other major injury.

For non-life threatening first aid occurrences, please locate a staff member wearing a blue conference t-shirt and they will contact the Security, the on-site Medical Technician and/or other Agent on duty and the Event Manager. Non-threatening occurrences include minor cuts or abrasions, minor illnesses, etc.

Conference policies

Code of Conduct for Evolution Meetings
The Evolution Meetings are intended to foster the exchange of scientific ideas, providing participants with an opportunity to present research findings, establish/renew collaborations, recruit people to their laboratories, and learn, teach, and network with an international community of evolutionary biologists. The Society for the Study of Evolution (SSE), the American Society of Naturalists (ASN), and the Society for the Study of Systematic Biology (SSB) are committed to creating an environment where everyone can participate without harassment, discrimination, or violence of any kind. All meeting participants must be treated with respect and consideration. Registration for the meeting is considered an agreement to abide by this code of conduct.

Harassment of any participant (attendee, speaker, volunteer, exhibitor, staff member, service provider, organizer, or meeting guest) will not be tolerated. Unacceptable behavior includes (but is not limited to) unwanted verbal attention, unwanted touching, intimidation, stalking, shaming, or bullying. Discrimination on the basis of gender or gender identity, sexual orientation, age, disability, physical appearance, race, religion, national origin, or ethnicity will not be tolerated. Harassment presented in a joking manner is still harassment and constitutes unacceptable behavior. Retaliation for reporting harassment is also unacceptable, as is reporting an incident in bad faith.

People wishing to report a violation of this code of conduct should immediately contact a member of the Joint Meeting Committee or any member of the executive council of the SSE, ASN, or SSB. Incidents of harassment and discrimination are taken extremely seriously. Confidentiality will be maintained unless disclosure is legally required.

The meeting organizers, members of the JMC, and Society executive officers reserve the right to enforce this code of conduct in any manner deemed appropriate. Anyone violating the code of conduct may be: (a) asked to stop, (b) expelled from the meeting (without refund), and/or (c) prohibited from attending future meetings. Establishing this code of conduct is intended to prevent incidents of harassment, discrimination, and violence, and to maintain the high quality of scientific discourse that our members have come to expect from the Evolution meetings.
**Policy on liability**
The Societies shall not be responsible for any defamatory, offensive, or illegal conduct of all Evolution Meeting participants, and shall not be held liable for personal injury, property damage, theft or damage of any kind suffered by the participants at or in connection with the Evolution meeting. By registering for and attending the annual Evolution Meeting, each participant acknowledges that they have read this Disclaimer, and expressly releases the Societies and its board members, directors, officers, employees, or agents from any and all liability in connection with such Meeting as provided herein.

**Weapons policy**
For the safety of all attendees, the Evolution Meetings are ‘weapons free’ and all conference participants, including staff, volunteers, and attendees, are banned from possessing any object or substance intended to cause injury to others, including but not limited to firearms.

**Broadcasting policy**
The Evolution Meetings support the communication and discussion of science. Information presented at the Meeting (in oral or poster format) may be reported and discussed by attendees and science writers via blogs, Twitter, or other formats. However, we require that this be done respectfully and without direct reproduction of visual materials (e.g., no posting photos of slides or posters) unless permission is obtained from the presenter or they have already made this information freely available in an open-source forum. If a presenter does not want information from his/her presentation to be broadcast, they should make this clear in their talk/poster and we ask that attendees respect this.

If you have questions or concerns about this policy, or would like to report an abuse of it, please contact any member of the Joint Meeting Committee.

**Policy on multiple presentations**
The Evolution Meetings have grown dramatically of late, increasing the demand for both oral and poster presentations. To reduce competition and give more people an opportunity to present, attendees are limited to presenting one talk, no matter what type (i.e. contributed or invited of any length) and/or one poster*. Please note that this only applies to the presenting author; you can be a co-author on multiple presentations given by others. *There is an exception for those giving a 5 min. talk in a Spotlight Session.

**Oral presentations**
Regular contributed talks are 14 min in duration INCLUDING QUESTIONS, leaving 1 min setup/movement time between them. This will be rigorously enforced by an automatic timing system that will sound a chime at 12 min (indicating two 2 min left), then at 14 min to denote the end of the talk and the start of 1 min of movement time, then finally at 15 min to denote the start of the next talk. Note that the 14 min includes time for questions, so we suggest 12-13 min for the talk and 1-2 min for questions. Special talks of other duration (e.g. ‘30’ min. symposium talks) will likewise include 1 min of movement time, meaning a
30 min talk is actually 29 min including questions, and the warning chime will similarly sound at 2 min remaining, at the end of the talk (start of 1 min movement time), and at the start of the next talk. The chime system is controlled by the internet browser on the presentation laptop. DO NOT EXIT THE BROWSER.

The 5 min 'lightning' talks during the Spotlight sessions receive the full 5 min, so the next speaker has to be 'waiting in the wings' ready to begin as soon as the previous speaker is done. In this case a warning chime will sound at 4 min indicating one min left, and then a second chime will sound at 5 min denoting the end of that talk and the start of the next.

Should the automated timing system fail, or if there is any other AV-related or other problem in the room, click the Call for Help button in the presentation software and a technician will be immediately sent to your room. There will be a clock radio in each room and should the chimes fail, designate an audience member as a Session Chair and have them enforce the above timing using this clock.

The AV system is PC-based and will support both PowerPoint (all versions) and PDF files (unfortunately Keynote and Prezi are NOT supported). Presentations should be formatted using a standard (4:3) slide size, NOT widescreen (16:9). If your presentation was prepared on a Mac or other non-Windows based system, it is STRONGLY recommended that you review it in the Speaker Ready Room prior to giving your talk (see below). Additional details about audio and video support can be found here.

Talks can be uploaded online before the conference, or at the conference via the Speaker Ready Room (Rm C125 on Level 1 of the OCC) at the conference. This must be done a minimum of 2 h before your presentation. Instructions on how to upload presentations online will be emailed to every speaker ahead of the meeting. You can also review your talk in the Speaker Ready Room and AV technicians will be present to help resolve any compatibility or formatting issues and can also explain the in-room setup. The computers in the Speaker Ready Room will be configured with hardware and software exactly like the ones in the meeting room.

**Speaker Ready Room hours**

Hours for the Speaker Ready Room (Rm C125 in OCC) are as follows:

- **Friday, June 23**: 3:00 pm – 8:00 pm
- **Saturday - Monday, June 24-26**: 8:00 am – 5:00 pm
- **Tuesday, June 27**: 8:30 am – noon

Speaker Ready Room and Presentation Software are sponsored in part by Oregon State University.
**Poster sessions**

Posters are assigned to one of the three poster sessions that will be held in conjunction with social mixers that include light food, beer, wine and non-alcoholic beverages. Presenters should attend their poster during their assigned session (see the daily schedule [here](#)). The location (i.e. poster board) on which you display your poster can be found in the online program. Note that it is NOT the ID number you received when submitted your poster. All poster sessions will be held in Exhibit Hall A (EH-A).

**Poster session #1: Saturday, June 24, 6:30 - 8:30 pm**
Posters should be displayed by noon on Saturday and removed by noon on Sunday.

**Poster session #2: Sunday, June 25, 6:30 - 8:30 pm**
Posters should be displayed by 1:30 pm on Sunday and removed by noon on Monday.

**Poster session #3: Monday, June 26, 6:30 - 8:30 pm**
Posters should be displayed by 1:30 pm on Monday and removed by 10 am on Tuesday.

Posters can be a maximum of 1.2 m x 1.2 m (4 ft x 4 ft) and pushpins will be provided. **Poster boards will be numbered and presenters should use the space assigned to them in the online program (note that is NOT the poster ID number you were emailed at the time of submission).** If the previous poster is still displayed when you arrive to put up your own, please carefully remove it, roll it up, and place it next to your poster board. We will collect unclaimed posters prior to the next poster session and relocate them to a side table.

**Super Social**

The conference-ending Super Social will be held in the indoor/outdoor Oregon Zoo starting at 6:30 pm on Tuesday, June 27. The zoo is located at 4001 SW Canyon Rd. and is accessible via the MAX light rail pass. Advance ticket purchase is required for the Super Social. Tickets will not be available for purchase at the registration desk. **Participants are responsible for all tickets. Lost tickets will not be replaced.**

**TriMet’s MAX light rail**

All registered attendees will receive a complimentary MAX light rail pass at the Evolution registration desk located in Pre-function A at the OCC. The pass will be valid through the dates of the conference. You will only need to purchase a pass should you wish to ride the light rail prior to registering on Friday afternoon (e.g., to travel from the airport into Portland when you arrive).

MAX light rail, buses, and streetcars are generally within a few blocks of any place you might want to go in the Portland Metro area. In addition to downtown area museums, sights, and shopping, a number of nature parks are easily accessible on MAX light rail.
Sponsors & Exhibitors

Sponsors
We are grateful to our sponsors whose financial contributions have helped keep registration costs more affordable. Each sponsor has generously selected to sponsor the items or events listed above the logo below.

Gold

<table>
<thead>
<tr>
<th>Name Badge</th>
<th>Presentation Management</th>
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<tbody>
<tr>
<td>nature ecology &amp; evolution</td>
<td>Oregon State University</td>
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Silver

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Bronze

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<th>Opening Reception</th>
<th>Society Social Mixers</th>
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<tr>
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<td>YXLON X-ray &amp; Computed Tomography</td>
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<tr>
<td>diversity</td>
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<table>
<thead>
<tr>
<th>Sunday Morning Break Sponsor</th>
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</tr>
</thead>
<tbody>
<tr>
<td>RTL GENOMICS</td>
<td>G3 Genes</td>
</tr>
</tbody>
</table>
Exhibitors

A wide range of exhibitors have booths in Exhibit Hall A. We encourage you to visit them and learn about the publications, products, and services they have to share. Exhibitor hours are:

- **Friday, June 23**: 7:00 pm – 9:30 pm
- **Saturday - Monday, June 24-26**: 9:45 am – 8:30 pm
- **Tuesday, June 27**: 9:00 am – 12 noon

<table>
<thead>
<tr>
<th>Exhibitor</th>
<th>Booth</th>
<th>Exhibitors</th>
<th>Booth</th>
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<tr>
<td>Oxford University Press</td>
<td>100, 101</td>
<td>FSU Center for Anchored Phylogenomics</td>
<td>112</td>
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<tr>
<td>Polymorphic Games</td>
<td>102</td>
<td>National Science Foundation</td>
<td>113</td>
</tr>
<tr>
<td>Springer Nature</td>
<td>103</td>
<td>University of Chicago Press</td>
<td>114, 115</td>
</tr>
<tr>
<td>RTLGenomics</td>
<td>104</td>
<td>W. W. Norton</td>
<td>116</td>
</tr>
<tr>
<td>Penguin Random House</td>
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<td>British Ecological Society</td>
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<tr>
<td>Princeton University Press</td>
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<td>SSE GSAC</td>
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<tr>
<td>YXLOV</td>
<td>108</td>
<td>SSE Diversity Careers Committee</td>
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<tr>
<td>University of Southern Maine</td>
<td>109</td>
<td>Harvard University Press</td>
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<td>SimBio</td>
<td>110</td>
<td>BEACON Center for the Study of Evolution in Action</td>
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<td>Wiley</td>
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<td>Reconyx Inc.</td>
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<td></td>
<td></td>
<td>Macmillian Learning</td>
<td>124</td>
</tr>
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</table>
Dining Guide – OCC Area

The Oregon Convention Center will have a concession stand in the building on Sat-Tues with coffee, drinks, and lunch available for purchase. See below for information on local restaurants near the OCC, or here for an online guide.
Field Trips

**Daily Lunchtime Bike Tours**

Need to get outside? Come explore Portland on a bike tour! Portland ranks near the top of the list of bicycle friendly cities, so it is relatively easy to get around the city by bike. Biking is a great way to see a little bit of Portland while getting some exercise! June 24th, 25th, and 26th (Sat - Mon) 11:35 am - 1:30 pm. Sign up [here](#) or at the conference registration table. Renting a bike is easy (see our [Getting Around Portland](#) page) and all skill levels are welcome. We'll do a shorter 8-mile ride on Saturday, and longer 12-mile rides on Sunday and Monday. Bring a brown bag or cash for lunch; we'll stop at [Flying Elephants](#) on our way down to Oaks Bottom Wildlife Refuge. We will follow a relatively car-free route, with great views of the city, and an amateur history lesson along the way! Email Stephen if you have any questions: schristy@pdx.edu.

**Cost:** Bike rental, food

**Time and location:** Meet at 11:35 am at the orange BIKETOWN bike racks near the northeast corner of the Oregon Convention Center grounds (NE Holladay & MLK).

**Bring:** Bike, water, and brown bag lunch or cash for food.

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**Pre-Super Social Hiking Tour**

A trip to Oregon just isn't complete without a hike! Luckily, there are great trails within the city limits. A serene and memorizing maze of trails zigzags though the [Hoyt Arboretum](#), a roughly 190-acre tree sanctuary nestled just above downtown. We highly recommend you check it out! The trails are well maintained—but hilly—and a world apart from the hustle and bustle of downtown. Come join us for a tour of the park right before the Super Social on Tuesday, June 27. Sign up [here](#) or at the conference registration table. Email Stephen if you have any questions: schristy@pdx.edu.

**Trees of interest:** Redwood, sequoia, larch, madrone, magnolias, California bay, firs, pines, oaks, cottonwoods, and many more!

**Cost:** Free, though the park always appreciates donations no matter how small.

**Time and location:** Meet at 4:30 pm outside the Washington Park MAX Station (take the elevators to the top of the deepest subway station in the U.S.). We will finish at the Oregon Zoo for the Super Social.

**Distance:** approximately 2 miles of rolling hills, but individuals/groups are welcome to split off at any time.

**Bring:** Water, shoes that can get muddy, and snacks.

**We'll have:** Knowledge of all the best routes and trees, and a car trunk that you can store non-valuable things in during the hike (space-dependent).
Registration Fees

Fees cover attendance at all scientific events over the four days (June 24-27) including concurrent sessions, symposia, spotlight sessions, plenary addresses, outreach talk(s), and three evening poster sessions with light food. They also include morning and afternoon coffee breaks (June 24-27) and the June 23 opening reception. There is a small additional charge for the conference-ending Super Social (which includes dinner and a host bar).

<table>
<thead>
<tr>
<th>REGISTRATION</th>
<th>Early (by Apr 15)</th>
<th>Late (Apr 16-June 22)</th>
<th>On-site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional (member)</td>
<td>$465</td>
<td>$565</td>
<td>$615</td>
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<tr>
<td>Professional (non-member)</td>
<td>$565</td>
<td>$665</td>
<td>$715</td>
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<tr>
<td>Postdoctoral (member)</td>
<td>$390</td>
<td>$490</td>
<td>$540</td>
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<tr>
<td>Postdoctoral (non-member)</td>
<td>$490</td>
<td>$590</td>
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<tr>
<td>Graduate student (member)</td>
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<tr>
<td>Graduate student (non-member)</td>
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<tr>
<td>Undergraduate</td>
<td>$300</td>
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</tr>
<tr>
<td>Guest*</td>
<td>$150</td>
<td>$200</td>
<td>$250</td>
</tr>
</tbody>
</table>

*A guest is a person accompanying someone with a standard (i.e. non-guest) registration and who wishes to attend the social functions only (i.e. opening reception, coffee breaks, evening poster sessions). Anyone wanting to attend talks, symposia, spotlight sessions, or other academic events must independently register as a regular attendee.

<table>
<thead>
<tr>
<th>SUPER SOCIAL</th>
<th>Early (by Apr 15)</th>
<th>Late (Apr 16-June 22)</th>
<th>On-site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Professional/faculty</td>
<td>$25</td>
<td>$45</td>
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</tr>
<tr>
<td>Postdoctoral / student</td>
<td>$15</td>
<td>$35</td>
<td>Not available</td>
</tr>
<tr>
<td>Registered guest</td>
<td>$25</td>
<td>$45</td>
<td>Not available</td>
</tr>
<tr>
<td>Accompanying person not registered as a guest</td>
<td>$70</td>
<td>$90</td>
<td>Not available</td>
</tr>
</tbody>
</table>
Travel Support

Financial support to attend the meeting is available from various sources, as detailed below. Travel grants funds are normally provided at, or after, the conference.

Volunteer at the conference
In return for volunteering for approximately two 4-hour shifts during the meeting, graduate students can receive a rebate of their early registration fee. Applications are made during main conference registration and will be accepted until the end of early registration (i.e. midnight on Apr. 15). Recipients will be randomly selected from the list of applicants and will be informed by May 15th at the latest. Registration fees must be paid in advance and the rebate will be processed after the meeting, subject to satisfactory completion of assigned volunteer duties.

ASN Graduate Student travel grants
Graduate student members of the ASN can request to be considered for a $500 US travel award. To be eligible, the student must present a talk or poster and must not have received the travel award in the previous year. Applications are made during main conference registration and will be accepted until the end of early registration (i.e. midnight on Apr. 15). Recipients will be randomly selected from the list of applicants and will be informed by the ASN treasurer by email.

SSE/BEACON Undergraduate Diversity at Evolution travel award
This travel award brings talented and diverse undergraduates (domestic and international) to the meeting to present a poster, receive mentoring and participate in a career-oriented 'Undergraduate Futures in Evolutionary Biology' panel and discussion. The program covers travel, registration, and room and board. For more information and to submit an application visit the organizer's website. Applications will be accepted until 11:59 PM (EST) on March 31, 2017 and awardees will be notified by April 6.

SSE Graduate Student and Postdoc travel supplements
Graduate student and postdoc members of the SSE can request to be considered for a $500 US travel award. To be eligible, they must present a talk or poster and must provide a written explanation of why they need the funds (150 words maximum). They must also not have received the travel award in the previous year, and postdocs must be fewer than 6 years post-PhD without a permanent position. Applications are made during main conference registration and will be accepted until the end of early registration (i.e. midnight on Apr. 15). Applicants will be informed of the outcome by May 15th at the latest.

SSE International travel stipends
These stipends support attendance at the conference for scientists at various stages of their professional career (e.g., Masters/PhD students, postdocs, and lecturers). You must be a member of the SSE. Those working in countries with high GDP are not eligible. For additional information and the application procedure, consult the SSE's website. Deadline for application is March 31, 2017.

ESEB International travel stipends
These stipends support attendance at the conference for scientists at various stages of their professional career (e.g., Masters/PhD students, postdocs, and lecturers). You must be a member of ESEB. NOTE THAT THESE STIPENDS ARE GIVEN IN CONJUNCTION WITH ANALOGOUS INTERNATIONAL TRAVEL STIPENDS OFFERED BY THE SSE ABOVE, SO THERE IS NO NEED TO APPLY FOR BOTH. Additional details can be found here. Deadline for application is March 31, 2017.
Special Talks

Presidential addresses

- **ASN Presidential address & award announcements**
  Saturday, June 24 from 5:30 - 6:30 pm, Ballroom 202-204 (Level 2)
  Kathleen Donohue (Duke U.), *ASN Presidential Address*

- **SSB Presidential address & award announcements**
  Sunday, June 25 from 5:30 - 6:30 pm, Ballroom 202-204 (Level 2)
  Anne Yoder (Duke U.), *One Tree to Rule Them All*

- **SSE Presidential address & award announcements**
  Monday, June 26 from 5:30 - 6:30 pm, Ballroom 202-204 (Level 2)
  Sally Otto (U. British Columbia), *Linking Levels of Selection With Genetic Modifiers*

Spotlight sessions

See the online program or mobile app for a listing of the talks in each session.

**American Society of Naturalists**

1) **Processes underlying pattern: considering the evolutionary mechanisms underlying population-level differentiation**
   Sun. June 25, 8:30 - 9:45 am (Oregon ballroom 204)
   Organizer: **Rebecca Safran** (U. Colorado)
   Evolutionary mechanisms lead to changes in the phenotypic and genomic features of populations; population genetics and patterns of phenotype differentiation are often used to infer which of these mechanisms are at work. Here, we highlight the need to more directly study evolutionary process as a way to understand the mechanistic basis of population-level patterns. That is: what adaptive or random processes are at work that contribute to population differences? In this session, we hope to touch on processes (e.g., local adaptation, migration, mate-selection) that influence evolution within populations and contribute to larger scale patterns of differentiation, with a consideration of analytical and experimental approaches.

2) **Eco-evolutionary dynamics**
   Mon. June 26, 10:15 - 11:30 am (Oregon ballroom 204)
   Organizer: **Andrew Hendry** (McGill U.)
   It is now widely recognized that substantial evolutionary change can occur on contemporary (or “ecological”) time scales. This is the phenomenon of contemporary (or “rapid”) evolution. What we now need to know is the extent to which contemporary evolution shapes ecological dynamics at the population, community, and ecosystem levels. This Spotlight Session will feature talks on how ecological change influences contemporary evolution and how contemporary evolution influences ecological change.
3) '25 Years of sensory drive'
Mon. June 26, 3:15 - 4:30 pm (Oregon ballroom 204)
Organizer: Becky Fuller (U. Illinois)
In 1992, the American Naturalist published a supplemental issue on the topic of 'Sensory Drive' organized by John Endler. This issue featured a number of influential papers that emphasized the role of the environment, phylogenetic history, and development on the evolution and functioning of sensory systems. This supplement introduced many ecologists and evolutionary biologists to the intriguing and well-developed topic of sensory ecology. In this spotlight session, we will consider the role of sensory drive as a guiding framework in ecological and evolutionary studies of signals/sensory systems over the past 25 years, and the extent to which it serves as a useful framework going forward.

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Society for the Study of Evolution

1) Speciation with and without sex chromosomes
Sun. June 25, 10:15 - 11:30 am (Oregon ballroom 203)
Organizer: Suzanne Edmands (U. Southern California)
Studies of the genetics of speciation frequently focus on sex chromosomes. In fact, the "two rules of speciation" (Coyne & Orr 1989) are both based on sex chromosomes. In this session we address how sex chromosomes affect speciation and explore how speciation mechanisms may be different in the wide diversity of taxa lacking sex chromosomes.

2) Sexual selection via male competition and the process of speciation
Sun. June 25, 1:30 - 2:45 pm (Oregon ballroom 203)
Organizer: Janette Boughman (Michigan State U)
The role of sexual selection in speciation remains controversial, despite the last two decades of intensive work. The importance of male competition has been almost entirely ignored, as nearly all the work focuses exclusively on how female preferences generate sexual selection in ways that hinder gene flow. This is despite that ecological competition over resources plays a central role in speciation via natural selection, and that male competition can generate very strong selection. However, recent work suggests that incorporating both male competition and female choice into research on speciation can help resolve the controversy over whether and when sexual selection causes speciation, prevents it, or has no real effect. Male competition sometimes complements and other times opposes female choice, which can either accelerate or put a brake on the speciation process, or lead to asymmetries in gene flow. Another complexity is that males compete both before and after copulation through sperm competition or the analogous pollen competition in plants; including this component can draw interesting parallels between animal and plant speciation.
3) Evolution of hybrid incompatibilities
Sun. June 25, 3:15 - 4:30 pm (Oregon ballroom 203)
Organizer: Andrea Sweigart (U. Georgia)
As a common cause of reproductive isolation in diverse taxa, hybrid incompatibilities are fundamentally important for genomic divergence and speciation. This session explores new insights into the molecular genetic mechanisms and evolutionary origins of hybrid incompatibilities.

4) Genetic transmission at the population level
Tues. June 27, 8:30 - 9:45 am (Oregon ballroom 203)
Organizer: Jeremiah Busch (Washington State U.)
The transmission of genes between parents and offspring is a critical feature of biological populations. In this spotlight session, talks will explore the modes whereby genes are transmitted across generations and their evolutionary relevance. Topics include, but are not limited to, meiotic drive systems, organelle and nuclear genomes, ploidy, mating systems, and genetic conflict. We hope you will join us to learn more about the intriguing diversity, evolution, and macro-evolutionary consequences of genetic transmission systems.

5) Sex in the wild
Tues. June 27, 10:15 - 11:30 am (Oregon ballroom 203)
Organizer: Maurine Neiman (U. Iowa)
A session focusing on exciting work relevant to the evolution/maintenance of reproductive mode polymorphism in non-model organisms and/or using field-based approaches to study sex (and its alternatives) in natural populations.

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Society of Systematic Biology

1) Uncertainty in the face of strong support: new approaches and examples in the identification of signal, noise, and conflict in phylogenetic datasets
Mon. June 26, 8:30 - 9:45 am (Oregon ballroom 202)
Organizers: David Weisrock (U. Kentucky) and Emily Jane McTavish (U. California Merced)
Genome-scale data sets provide large quantities of information with which to resolve challenging phylogenetic relationships. However, large data sets can yield strongly supported trees, even when there is conflict in the data. Consequently, it is important to understand what exactly underlies the resolution of a particular topological result. While we are often looking for phylogenetic signal, it is important to investigate other factors affecting reconstruction. These factors may include biological processes such as hybridization and horizontal gene transfer, and incomplete lineage sorting, or methodological biases, such as insufficient models of evolution, choice of reference genome, or bias in genomic or taxonomic sampling. While the idea of examining sources of conflict is not a new idea in systematics, its importance is elevated in the study of genome-scale data. We have developed this spotlight session to highlight new
approaches for discerning how individual loci or sets of loci impact a phylogenetic hypothesis, and provide examples of how these approaches have been implemented with contemporary datasets.

2) Impact of gene flow and reticulation in phylogenetics
Mon. June 26, 1:30 - 2:45 pm (Oregon ballroom 202)
Organizers: Cécile Ané (U. Wisconsin-Madison) and Frank Burbrink (American Museum of Natural History)
Genomic data hold the power to robustly infer phylogeny, yet they also present new challenges for resolving the tree of life due to conflicting signals across loci. Currently, coalescent-based methods depend on incomplete lineage sorting to account for phylogenetic conflict among loci, while mostly ignoring the confounding effects of gene flow. In this spotlight session, we will consider the following questions: In what ways do gene flow and other biological processes (e.g., introgression, hybridization, and selection) alter our ability to study the evolutionary history of a group? Should we represent this history as a species or population network? What do empirical studies say about the prevalence of gene flow and hybridization across phylogeny? How does this affect our ability to perform downstream comparative phylogenetic analyses?

Symposia
See the daily schedule listed online for a detailed listing of the talks in each symposium.

1) ASN VP Symposium: The causes and consequences of evolutionary conflicts
Sat. June 24, morning (Oregon ballroom 204)
Organizer: Locke Rowe (U. Toronto)
Sponsor: ASN
In this symposium we explore conflict at several levels of biological organization, with the aim of highlighting some unifying principles of evolutionary conflicts.

2) Across the Nth dimension: Quantitative and conceptual advances in the study of niche breadth
Sat. June 24, afternoon (Oregon ballroom 204)
Organizers: Kelly Anne Carscadden (U. Colorado-Boulder) and Nancy Emery (U. Colorado-Boulder);
Sponsor: ASN
The niche is central to many of the most enduring ecological and evolutionary questions; however, fundamental challenges remain in defining and quantifying the niche and interpreting niche breadth data. This symposium will highlight key limitations and advances in niche concepts, explore network- and trait-based measures of niche breadth, and propose a general classification and guide to niche breadth metrics. Then, speakers will provide an updated view on niche architecture based on the idea that species-level niche breadth may arise through a combination of mechanisms at different nested levels of organization. Because niche breadth is a concept with not only deep historical roots, but
also relevance to many of today's environmental challenges, we collectively aim to emphasize how niche breadth relates to conservation and environmental change.

3) A debate of conceptual issues surrounding genetic-based species delimitation in the genomic era
Sun. June 25, morning (Oregon ballroom 202)
Organizers: David M. Hillis (U. Texas-Austin) and L. Lacey Knowles (U. Michigan)
Sponsor: SSB
With recently developed coalescent-based analytical methods, coupled with technological advances for collecting genomic datasets across many individuals per putative species, we no longer have to worry about missing recently diverged taxa because of limited power. With a diversity of approaches to handle different genomic data types, much of the focus to date regarding genetic-based species delimitation has been either on (1) performance differences among methods and data types, and (2) inference for empirical application. What have not received much attention are the conceptual issues surrounding genetic-based species delimitation in the genomic era. This is what our symposium will address.

The symposium will be organized in a debate style format to foster discussion about issues that have broad implications beyond the endeavor of inferring species boundaries, including understanding the underlying macroevolution dynamics, as well as conservation of biodiversity, and the study of the speciation process itself. The themes the symposium will focus upon include:

Does the multispecies coalescent delimit species?
Is species delimitation necessary for assessing the drivers of diversification?
Should we seek a "standardized protocol" for species delimitation?
What is the role of morphology in species delimitation in the genomic era?

4) Phylogenetic approaches to connecting genotypes to phenotypes
Sun. June 25, afternoon (Oregon ballroom 202)
Organizer: Stacey D. Smith (U. Colorado-Boulder)
Sponsor: SSB
A central challenge for evolutionary biologists is to understand the relationship between genotype and phenotype, the so-called 'rules of life.' Making this connection is difficult beyond the species-level, where traditional population genetic methods (e.g., QTL mapping) often cannot be used. This symposium will explore new approaches that aim to dissect the mechanisms of phenotypic evolution at macroevolutionary scales and to place underlying changes along branches of the phylogeny.

5) Evolution in urban ecosystems
Mon. June 26, morning (Oregon ballroom 203)
Organizers: Emily Puckett (Fordham U.) and Jason Munshi-South (Fordham U.)
Sponsor: SSE
The rapid growth of existing cities and creation of entirely new cities, have created unique
environments and novel selection pressures for microbes, animals, and plants. Aspects of urban environments that may act as selection pressures include: increased exposure to noise, exposure to pollution and other synthetic materials, constant artificial light, availability of calorie dense food, linearized environments, novel substrates, novel predators or release from predation, exposure to high-density human populations, and interactions within novel ecological communities. Our symposium will focus on how species from distant taxa are evolving to these pressures. Further, we will explore how urban-rural gradients and the urban matrix serve as either barriers or corridors for gene flow in different species, and implications for genetic drift, local adaptation, the evolution of mating systems, and inbreeding tolerance.

6) The impact of stress on genetic variation
Mon. June 26, afternoon (Oregon ballroom 203)
Organizer: Laurie Stevison (Auburn U.)
Sponsor: SSE
Understanding the influence of environmental stress on genetic variation typically requires very large sample sizes. Many previous studies in this area have been limited to model organisms such as *Drosophila* and have used mutant phenotypic markers as a proxy for genetic variation. As sequencing costs have continued to decline, the possibility of addressing these questions in other systems has become easier. Here, we include a broad swath of taxonomic diversity to represent the increased possibility of addressing this important evolutionary question outside of traditional model organisms. Further, we present both theoretical and empirical work at the interface of evolution and ecology to understand more broadly the impact of stress on natural variation.

7) SSE Education symposium – Communicating (the relevance of) human evolution
Sat. June 24, 8:30 - 11:30 am (Rm C123)
Organizers: Jim Smith (Michigan State U. - Lyman Briggs College) and Norman Johnson (U. Massachusetts-Amherst)
In recent years, educators and researchers have made substantial progress in addressing the challenges of evolution education. Despite this excellent work, a large fraction of students and the general public still refuses to accept or struggles with the concept of humans as an evolved and evolving species. Moreover, many of those who accept evolution do not fully appreciate the relevance to society and/or hold misconceptions about how evolution works. The three speakers in this SSE-sponsored symposium describe their work in human evolution and how they have overcome obstacles to communicating human evolution and the relevance of evolution to humans. We’ll cap off our session with a Panel discussion in which we explore avenues for effective action.

8) ASN Education symposium – Natural history as the inspiration for scientific inquiry: Stories and tools for teaching
Sat. June 24, 1:30 - 4:30 pm (Rm C123)
Organizers: George Gilchrist (NSF) and Becky Fuller (U. Illinois)
The American Society of Naturalists has promoted the unification of the biological sciences and the importance of natural history in inspiring research. In this anniversary symposium
celebrating the 150th anniversary of The American Naturalist, life scientists will reflect on the role of natural history in directing their research, providing examples and materials that could be incorporated into teaching in modern conceptually based courses.

Outreach talk

SSE Public Outreach Lecture
Friday, June 23, 7:30 - 8:30 pm, Oregon Ballroom 202-204
Speaker: Ann Reid, Executive Director of the National Center for Science Education
Title: TBD

Special Events

Pre-conference workshops & satellite events

All of these require registration and some have an additional fee. Sign-up and payment (if applicable) for most, but not all, are part of main conference registration. All events, except #1, are in the Oregon Convention Center.

1) Active LENS Train-the-trainer satellite workshop: Avida-ED Digital Evolution Education Software
Wed. June 21 - Friday, June 23, U. Washington, Seattle WA; Cost: free, application required (separate from main conference registration; see below).
Organizers: Robert Pennock, Jim Smith, Louise Mead

Topic: The purpose of this workshop is to train instructors in the use of the Avida-ED software package, developed to help students learn about evolution and the nature of science, so that workshop participants can both implement classroom interventions using this software and also train other educators. Teams of two will learn to use Avida-ED and how to best incorporate it into courses that they teach. Travel and expenses related to the workshop will be covered for the 20 participants for each workshop as part of an NSF-funded IUSE grant. Avida is a digital evolution software platform used to study evolutionary processes, and harness evolution to solve engineering problems. Avida-ED is a free, user-friendly version of Avida developed specifically for educational purposes, with a graphical user interface and visualizations that allow the user to observe evolution in action. (See http://avida-ed.msu.edu for more information.) Workshop participants will join a growing community of educators using digital evolution to let their students directly observe evolutionary processes through inquiry-based exercises that advance reform-oriented active learning. The team application form for the Active LENS Workshop must be completed online on this page. Applications should be submitted no later than March 17, 2017.

2) JoeFest: a symposium to honor Joe Felsenstein
Thursday, June 22, 9 am - 5 pm with optional evening reception, Rm. B113-114;

Cost: $20 (+$30 optional reception; reception includes two drinks and appetizers), registration required (during conference registration). Open to everyone. Maximum enrollment: 300 (first-come, first-served).
Organizer: Michael Turelli (UC Davis), Monty Slatkin (UC Berkeley), Ray Huey (U. Washington)
If you want to attend JoeFest only (i.e. not the main Evolution conference), then please email Michael for instructions concerning how to do this.

JoeFest Schedule:

9:00 Lee Felsenstein, The Fonly Institute. The early years: an appreciation of Joey Felsenstein
9:20 Michael Turelli, UC Davis. A star is born
9:40 Bill Hill, University of Edinburgh. Joe Felsenstein’s Hill-Robertson Effect
10:00 Ray Huey, University of Washington. Comparative biology: before, during, and after Felsenstein 1985

10:20 — COFFEE BREAK

10:50 Wayne Maddison, University of British Columbia. "Ask Joe"
11:10 Jeff Thorne, North Carolina State. Phylogenetic inference of interlocus gene conversion
11:30 Peter Beerli, Florida State University. Everything you always wanted to know about frogs/computers/population genetics but were afraid to ask
11:50 Mary Kuhner/Jon Yamato, University of Washington. The insane geometry of tree space: early development of genealogy samplers

12:10 — LUNCH

1:40 Mark Kirkpatrick, University of Texas, Austin. The war between the sexes: genome evolution under sexual antagonism
2:00 Fred Allendorf, University of Montana. Population genomics: Do we really need theory?
2:20 Steve Arnold, Oregon State. Quantitative genetics on evolutionary timescales
2:40 Scott Edwards, Harvard. The tree thinker and the long way to amphioxus

3:00 — COFFEE BREAK

3:30 Shozo Yokoyama, Emory. Evolution by molecular interaction
3:50 Ted Garland, UC Riverside. Zen and the art of phylogenetically independent contrasts
4:10 Ruth Shaw, University of Minnesota. Evaluating the capacity for ongoing adaptation
4:30 Monty Slatkin, UC Berkeley. Isolation by distance and time--another pain in the torus

5:30-7:30 Reception (separate registration $30, private room at Altabira, across the street from the OCC, includes two drinks and appetizers)

3) SSB workshop – Trees, traits and functions: semantics for comparative biology
Friday, June 23, 1:30 - 5 pm, Rm. B114; Cost: free, registration required (during conference registration). Open to everyone. Maximum enrollment: 130 (first-come, first-served)
Organizers: Todd Vision (UNC Chapel Hill) and Hilmar Lapp (Duke U)

Topic: A rich set of comparative phylogenetic methods has been developed in recent decades for the analysis of traits, functions, and other macroevolutionary patterns. A similarly rich set of tools,
such as ontologies, data annotation models, and machine reasoners, have also recently been introduced allowing researchers to represent the semantics of phenotypes, traits, functions, and environmental properties in such a way that computers can access what had previously been the implicit knowledge of biological experts. Although these two efforts have remained largely separate from each other, a few studies at their intersection have shown that their synthesis has the potential to enable new classes of comparative analyses and provide an interdisciplinary bridge between different phylogenetics user communities. This symposium brings together research at the nexus of comparative phylogenetics and computable semantics of biological knowledge. The aim is to stimulate discussion and awareness of the opportunities that are emerging for the comparative biology community.

Speakers:

Carrine Blank (U. Montana) *Use of natural language processing algorithms, ontologies, and phylogenomic trees to automate and accelerate phenotypic trait evolutionary studies for prokaryotes*

Paula Mabee (U. South Dakota) *Progress in comparative biology can be accelerated through semantic annotation*

Paul Thomas (U. Southern California) *Modeling the evolution of gene function using phylogenies and the Gene Ontology*

Martin Ramirez (Museo Argentino de Ciencias Naturales) *Tracing the evolution of complex traits: the integration of atomized morphological data on phylogenies*

Plus additional speakers (TBD)

4) SSB workshop – Species in the age of discordance

Friday, June 23, 8:45 am - 5:00 pm, Rm A109; Cost: $20, registration required (during conference registration). Open to everyone. Maximum enrollment: 70 (first-come, first-served).

Organizer: Matt Haber (U. Utah)

Topic: Biological lineages move through time, space, and each other. As they do, they diversify, diverge, and grade away from and into one another. One result of this is genealogical discordance, i.e., the lineages of a biological entity may have different histories. We see this on numerous levels, from population-level lineages, to microbial networks, to holobionts. Recent work in systematics, in particular genomics and phylogenomics, is providing an ever more refined view of this (and other sorts of) discordance. The goal of this workshop is to pause to consider how and whether our better understanding of discordance impacts how we think about species. The invited speakers represent a diverse group along several dimensions from multiple career stages, from graduate student to full professor. The workshop will include structured, interactive discussions in addition to panel presentations by invited speakers. The central question will be addressed from a variety of theoretical perspectives, including phylogenetic systematics, population genetics, microbiology, and philosophy of biology. This workshop is a follow-up session to an NSF supported interdisciplinary conference on the same topic. The intention is to use this workshop to help maintain and build on the cross-disciplinary connections made between researchers at that meeting, and to encourage broader disciplinary participation in systematics.
Speakers:

David Baum (U. Wisconsin, Madison) Genealogical individuation in the face of discordant gene trees: Does exclusivity still work?

Matt Haber (U. Utah) The species problem problem and the no solution solution

Ariadna Morales (Ohio State U.) Species delimitation with gene flow in Myotis bats

Leonie Moyle (Indiana University) Still ‘good’ species or: How I learned to stop worrying and love the incongruence

Jay Odenbaugh (Lewis & Clark College) Discordance, explanation, and levels of lineages

Makmiller Pedroso (Towson U.) Species and the assembly of microbial communities

Nitin Phadnis (U. Utah) Selfish genetic elements and speciation in Drosophila

Mike Shapiro (U. Utah) The pigeon’s checkered past: pigment patterning and the hybrid origin of an adaptive trait

Olga Zhaxybayeva (Dartmouth U.) Of species and clusters: Could we distinguish the observed patterns of bacterial microdiversity from those produced by a neutral process of lineage birth and death?

5) ASN Science communication workshop: Effective communication of science and its impacts

Friday, June 23, Time 9 am - 4 pm, Rm B111; Cost: $25 (Includes box lunch and morning/afternoon coffee breaks), registration required (during conference registration). Open to all conference attendees. Maximum enrollment: 40 (first-come, first-served).

Organizer: Jory Weintraub (Science Communication Director, Duke Initiative for Science & Society)

Topic: Sure, your work on [fill-in-the-topic-of-your-research-here] is the most exciting and important science out there! But to have an impact, it must be communicated in ways that enable people to understand and compel them to care. And, in order to be funded it must have a well-designed, easily-implemented and assessable broader impacts plan. This workshop will provide strategies and approaches to help you communicate your work effectively to diverse audiences, and provide insight into what the NSF really wants when they ask you to communicate the broader impacts of your work.

Topics covered will include:

Defining your message, identifying your audience and crafting the perfect elevator pitch
Ready for Your Close-Up? – Strategies for nailing your media interview
Social Media – The three W’s (What?Why?Will using it take over your entire life?)
Broader Impacts 101 – What does this have to do with science communication?(Answer: EVERYTHING!)

This will be a “hands-on” workshop, so come prepared to practice your skills with your colleagues!

This workshop will be co-facilitated by Jory Weintraub, PhD and Briana Pobiner, PhD. Jory is the Science Communication Director for the Duke Initiative for Science & Society, and Director of the Duke Broader Impacts Resource Center, and serves on the Steering Committee of the National
Alliance for Broader Impacts (NABI). He has over 20 years of experience in science education, outreach and communication, including 10+ years leading the education and outreach efforts at NESCent (the National Evolutionary Synthesis Center). Briana is a paleoanthropologist and educator at the Smithsonian’s National Museum of Natural History (NMNH). While she continues to conduct research on human evolution, her primary responsibilities since she joined the NMNH’s Human Origins Program in 2005 focus on onsite and online education, outreach, and public programming. She has led several science communication training workshops for NMNH staff, postdocs, and volunteers.

6) SSE Diverse careers committee workshop
Friday, June 23, 1 - 5:15 pm, Rm. B116; Cost: $20, registration required (during conference registration). Restricted to graduate students/PDFs who are members of the SSE, ASN, and/or SSB. Maximum enrollment: 70 (first-come, first-served).
Organizers: Mohamed Noor (Duke U) and Lex Flagel

Topic: The key goals of the workshop are to guide students and postdocs through the first steps of personal career exploration (academic and non-academic) and necessary actions for active planning of post-graduate school or post-postdoctoral stages. In addition to small-group conversations with professionals from various careers, there will be presentations on how to market/brand oneself, networking, informational interviews, etc. Based on our past workshop, we expect that attendees will leave the workshop with more confidence regarding career options, and with actionable items and strategies for successive efforts.

7) SSE Education Committee workshop: Professional Development for Undergraduate Educators
Friday, June 23; Time: 9 am - 5pm (approximately), Rm B112; Cost: $25 (includes a boxed lunch), registration required (during conference registration). Maximum enrollment: 40 (first-come, first-served).
Organizer: Louise Mead

Topic: National reports such as Vision and Change call for engaging students in authentic scientific experiences, such as using models and working with real data. Teaching with data and models can deepen students understanding of key biological concepts, develop a greater appreciation of the process of science, and engage students in quantitative and computational thinking. In this workshop, we will explore some of the challenges and successful approaches to using models and data in the classroom. More information including a workshop schedule can be found here.

8) SSE/BEACON Undergraduate Diversity Program: Professional Development Workshop
Friday, June 23; Time: 8:30 am - 1:00 pm, Rm B115; Cost: free, registration required (during conference registration). Restricted to undergraduates who are attending the meeting. Maximum enrollment: 40 (first-come, first-served).
Organizer: Alexa Warwick

Topic: This workshop will cover topics including networking, mentoring, work/life balance, and alternative careers (8:30-11:15 am), with presentations by Scott Edwards, Lex Flagel, Joanne Kamens, Stacy Farina, and April Wright. It will also feature a keynote speaker (Pamela Yeh) for the annual Undergraduate Futures Lecture followed by lunch and a panel discussion with all the
9) iEvoBio satellite conference
Organizer: Daisie Huang (U. British Columbia)

iEvoBio is a forum bringing together biologists working in evolution, systematics, and biodiversity, with software developers and mathematicians. This year, we'd like to focus on the computational challenges facing empirical biologists. Are you an empirical biologist? Is there some part of your research that you think software can help with? Are you a software developer who wants to find a new challenging project that will help scientists with their research? iEvoBio is the place to discuss these challenges and make some new connections.

iEvobio will host two events in association with the meeting:

1) Pre-conference workshop, Friday June 23, 9 am - 5 pm, Rm. B113. Keynote speaker: Tracy Teal (Data Carpentry).
2) A ‘Software Demo’ during the Saturday poster session (6:30 – 8:30, Exhibit Hall A)

There was a separate registration fee for attending iEvoBio (during main conference registration). For more information about the schedule and agenda, please visit their website.

Social events

Friday, June 23
- Opening Reception, 6:30 – 10:00 pm, Exhibit Hall A

Saturday, June 24
- ASN Grad Student Mixer, 4:30 – 5:30 pm, Ballroom 201 & Ballroom Lobby (level 2)

Sunday, June 25
- SSB Society Mixer, 4:30 – 5:30 pm, Ballroom 201 & Ballroom Lobby (level 2)
- 7th Annual Evolution Film Festival & Video Contest, 7:30 – 9:30 pm, Room A107-109

One of the highlight of the conference that should not be missed! Join us for an evening of terrifically informative and entertaining videos, while enjoying popcorn and beer/wine/soda (courtesy of HHMI). During the first hour, event co-sponsor HHMI Biointeractive will screen some of the wonderful evolution videos they offer, and you will have a chance to ask questions of scientists and filmmakers involved in producing their videos. During the second hour, we will screen the top entrants to this year’s contest. We asked the science and science education communities to tell a story about evolution in 3 min. or less, using animation, art, music, dance, etc. We have some terrific entries and you will be able to see them all and vote on your favorite. (To learn more and see past years’ entries, go to evolutionfilmfestival.org and follow #evofilmmfest on Twitter.)
Sponsored by the Duke Initiative for Science & Society, the Howard Hughes Medical Institute (HHMI), the Society for the Study of Evolution, and the BEACON Center for the Study of Evolution in Action.

**Monday, June 26**

- **SSE/BEACON Undergraduate Diversity Program:**
  - Undergraduate breakfast social, 8:00 - 9:30 am, Oregon Ballroom 201. Attendees should register by entering their information on this spreadsheet. Open to undergraduates and their advisers and mentors.
    - Organizer: Alexa Warwick
    - Come to meet and mingle with other undergrads, their advisors/mentors, and alumni of the Undergrad Diversity Program. This social is a great opportunity to discuss your research, career plans, etc. and expand your network in an informal setting while enjoying free continental breakfast!
  - SSE Student-Faculty Mixer, 4:30 – 5:30 pm, Ballroom 201 & Ballroom Lobby (level 2)

**Tuesday, June 27**

- Super Social, 6:30 pm – midnight, Oregon Zoo. Ticket required.

**Council, business and other meetings**

1) **Executive joint council (ASN/SSB/SSE)**
   - Opening meeting: Friday, June 23, 8:30 am; Rm B119.
   - Exit meeting: Monday, June 26, 8:30 am; Rm C126.

2) **ASN**
   - Executive council opening meeting: Friday, June 23, 1:00 pm; Rm C126
   - **Business Members (open to all ASN members): Saturday, June 24, 6:30 pm; Rm A105**
   - *American Naturalist* journal editorial board meeting: Sunday, June 25, 8:30 am; Rm C126.
   - Executive council exit meeting: Tuesday, June 27, 8:30 am; Rm C126.

3) **SSB**
   - Executive council opening meeting: Friday, June 23, 1:00 pm; Rm B110
   - **Business meeting (open to all SSB members): Sunday, June 25, 6:30-7:30 pm; Room A105**
Systematic Biology journal editorial board meeting: Monday, June 26, 11:30 am - 1:30 pm; Rm B110.
Executive council exit meeting: Tuesday, June 27, 8:30 am; Rm B110.

4) SSE
Executive council opening meeting: Friday, June 23, 1:00 pm; Rm B119
Evolution journal editorial board meeting: Saturday, June 24, 11:30 am, Rm. B110.
Education & Outreach committee: Sunday, June 25, 11:30 am; Rm. C126
Hamilton award judges meeting: Sunday, June 25, 4:30 pm; Rm B110
Executive council exit meeting: Monday, June 26, 11:30 am; Rm C126.
Business meeting (open to all SSE members): Monday, June 26, 6:30 - 7:30 pm; Rm A105

5) Other meetings
Taylor & Francis editorial board meeting: Sunday, June 25, 8:30 am; Rm B110
Ecology and Evolution editorial board meeting: Monday, June 26, 11:30 am - 1:30 pm; Rm B114-115

Special events during the meeting
Some of these require registration and additional fees. Sign-up and payment (if applicable) are done during main conference registration for most or via a separate registration process for others, as indicated below. All events are in the Oregon Convention Center.

1) Diversity in Science luncheon: Essentials of a successful diversity and inclusion program
Sunday, June 25 from 11:30 am - 1:30 pm, Oregon Ballroom 201. Cost: $15 (includes a boxed lunch), registration required (during conference registration). Maximum enrollment: 300 (first-come, first-served). Open to conference attendees of all genders, ethnic groups, and backgrounds who are members of the SSE, ASN, and/or SSB.
Organizers: SSE Graduate Student Advisory Council with input from SSB and ASN
Topic: Join us for a discussion on identifying bias and increasing diversity across all dimensions.
Keynote speaker: Lee Bitsoi (Rush U.)

2) Evo101 Workshop for Science Educators
Saturday, June 24; Time: 8:30 am - 4 pm, Rm. C126; registration required (separate from conference registration - see below). Intended for K-12 science educators.
Questions? Contact Kristin Jenkins
Topic: Evolution can often seem very distant from students’ lives, making it hard to engage them in studying this core biological concept. Human evolution offers compelling and relevant examples of evolutionary processes for students. At this hands-on workshop we will share free resources based on human evolution you can use in your classroom. The workshop is designed for middle and high school teachers. We encourage you to bring a colleague! Lunch and certificates of participation will be provided for participants.
This workshop has its own registration process separate from the main conference. You don’t need to register or attend the main conference to sign-up for this event.

Schedule, registration and other information can be found here. **Registration deadline: June 1, 2017**

Supported by the [Society for the Study of Evolution](http://www.sseevolution.org) Education Committee and the [Howard Hughes Medical Institute](http://www.hhmi.org)

### 3) SSE Student-Faculty networking lunch
Saturday, June 24, 11:30 am -1:30 pm, Location: various offsite lunch venues. Cost: your own lunch; Registration: indicate interest during main conference registration.
Organizer: Megan Kobiela and the SSE [Graduate Student Advisory Council](http://www.sseevolution.org)

The SSE Graduate Student Advisory Council is organizing small group networking lunches to facilitate interactions between students and faculty. You can indicate your interest in participating during main conference registration, and we will send out surveys to match students with faculty in late May. Groups will be responsible for finding their own lunch venues and will be capped at 5 students per faculty member, so student attendance may be limited to a first-come, first-serve basis once the surveys go out.

### 4) SSE Postdoc networking lunch
Saturday, June 24, 11:30 am - 1:30 pm, Location: various offsite lunch venues. Cost: your own lunch; Registration: indicate interest during main conference registration.
Organizer: SSE [Graduate Student Advisory Council](http://www.sseevolution.org)

The SSE Graduate Student Advisory Council is organizing small group networking lunches to facilitate interactions among postdocs. You can indicate your interest in participating during main conference registration and we will send out surveys to set up groups in May. Groups will be responsible for finding their own lunch venues.

### 5) Taylor & Francis
**Early career researcher’s workshop (1 of 2): Publishing your research: tips for success**
Saturday, June 24, 12:15 -1:15 pm, Rm. B113. Cost: free, no registration required. Bring your own lunch.
Organizer: Ashlynne Merrifield, Ali Paskins, Andrew Polaszek, and Jeffrey Streicher

This talk will guide new authors through the publishing process from selecting a journal, to preparing for submission, to navigating the peer review process. Andrew Polaszek (Editor-in-Chief, JNH) and Jeffrey Streicher (Associate Editor, JNH) will give you a valuable insight into the editorial process for Journal of Natural History, including advice for successful publication. We will also cover essential tips for writing a review article, how to respond to reviewer comments, acting as a reviewer, plus more, giving a thorough understanding of the steps involved, the key information sources to be aware of, and what authors can be doing to help get their paper published.

### 6) British Ecological Society
**Early career researcher’s workshop (2 of 2): Maximizing the impact of your research**
Organizers: Chris Grieves ([Methods in Ecology and Evolution](http://www.methodsinecologyandevolution.com))

In recent years there has been a significant increase in the number of academic articles published. At the same time, readers are changing how they find content – searching for individual articles
rather than looking through journals. This interactive workshop will provide new authors with the necessary skills to maximize the impact of their research in the digital age. It will include guidance on optimising your articles for search engines, identifying the best forums to promote your work, pitching your paper to different audiences, and using social media.

7) 7th annual Evolution Film Festival/Video contest (Call for video submission)
Sunday, June 25, 7:30 - 9:30 pm, Rm. A107-109. Cost: free, no registration required.
One of the highlights of the conference that should not be missed! Join us for an evening of terrifically informative and entertaining videos, while enjoying popcorn and beer/wine/soda (courtesy of HHMI). During the first hour, event co-sponsor HHMI Biointeractive will screen some of the wonderful evolution videos they offer, and you will have a chance to ask questions of scientists and filmmakers involved in producing their videos. During the second hour, we will screen the top entrants to this year’s contest. We asked the science and science education communities to tell a story about evolution in 3 min. or less, using animation, art, music, dance, etc. We have some terrific entries and you will be able to see them all and vote on your favorite. (To learn more and see past years’ entries, go to evolutionfilmfestival.org and follow #evofilmfest on Twitter.)

Sponsored by the Duke Initiative for Science & Society, the Howard Hughes Medical Institute (HHMI), the Society for the Study of Evolution, and the BEACON Center for the Study of Evolution in Action.

8) NSF Information session
Monday, June 26, 12:15 - 1:15 pm, Rm. B113. Cost: free, no registration required.
An information session on NSF funding opportunities and program changes. Lunch is not provided (you can bring your own).
Host: Samuel Scheiner & George Gilchrist (NSF Program Directors)

9) Meet the Editors: A question and answer session
Monday, June 26, 3:15 - 4:30 pm, Oregon Ballroom 201. Cost: free, no registration required. Open to all conference attendees.
An informal question and answer session with a panel of editors/associate editors from the leading journals in the field including:

Judith Bronstein, American Naturalist
Allen Moore, Ecology and Evolution
Mohamed Noor, Evolution
Zach Gompert, Evolution Letters (Associate editor)
Barbara Mable, Heredity
Thomas Near, Systematic Biology

Post-Conference Workshop
1) American Institute of Biological Sciences workshop: Informing and engaging decision-makers
Wednesday, June 28, 9 am - 5pm, Rm B110; Cost: $35 (lunch is ’own your own’ and is not included in registration cost), application required (during conference registration). Open to everyone. Maximum enrollment: 30 (first-come, first-served).
Topic: Rarely has the need for effective and influential communication about science been more important than it is today. Politicians and political interests are redefining and reinterpreting science—with great persistence and impact. The majority of the public still respect scientists and value science, but they often find it challenging to discern who and what is legitimate.

Simply adding to the noise will not provide individuals with the understanding they need to inform deliberations and decisions. Scientists must become more skilled at communicating with policymakers in impactful ways.

The American Institute of Biological Sciences (AIBS) will deliver this program. AIBS has a long and successful track record of engaging, informing, and influencing the public and science policy decision-makers. AIBS routinely work with include members of Congress, federal agency heads and program managers, state officials, and university administrators. AIBS has played important roles, for example, in helping to defeat state-level initiatives to introduce creationism into state curricula. AIBS has also been a leader in national efforts that have led to new federal investments in biology.

Participants will learn:

How to tell a resonant story that informs decision-makers
How to prepare for and engage in a meeting with a decision-maker
How to protect your scientific reputation
How to identify and define the audience you need to reach
What policymakers want and need to know from a scientist