



Society for Invertebrate Pathology Newsletter

Volume 50 Issue 2

June 2017

This year is the 50th anniversary of
The Society for Invertebrate Pathology!
Join the SIP scientists, their students and
companions at

The Golden Jubilee Meeting!

This extraordinary SIP annual meeting
will be held in

La Jolla-San Diego, California, USA

August 13-17, 2017



Deadlines

Registration – July 31

Jubilee YouTube Video Contest - July 13

T-shirt & Bag Contest - July 14

And it is not too late to submit abstracts
(for posters only)

President

Johannes Jehle, Germany

Vice President

Zhihong (Rose) Hu, People's
Republic of China

Past President

Peter Krell, Canada

Secretary

Juan Luis Jurat-Fuentes, USA

Treasurer

Stefan Jaronski, USA

Trustees

Helen Hesketh, United Kingdom
Albrecht Koppenhofer, USA
Sean Moore, South Africa
Monique van Oers, The Netherlands

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Photographs on pp. 7 to 11 and 16 were kindly provided to the Editor by **Frank McKenna** (San Diego, CA, USA). They can be found (and many more superb pictures) in his blog: [15 Best Spots to Photograph San Diego](#).

**From the President**

Dear friends and colleagues, dear SIP members,

1967 – 2007. The SIP is going to celebrate its 50th birthday. In human life, 50 years is an age at which it is appropriate to look back on smaller or larger events and on great achievements, and to make plans for the future. The greatest achievement of the SIP is its development to become the natural home of invertebrate pathologists from all over the world. It brings together people from different countries and continents, young students and fellow researchers, established laboratory leaders and many retirees who attended and keep attending the SIP meetings for almost half a century. The SIP convenes the brightest minds in invertebrate pathology and fulfills the never-ending mission our founders introduced 50 years ago: advancing scientific knowledge and its application, stimulating research and promoting international cooperation.



The more or less usual events in SIP life are our annual meetings. Recurring every year, each meeting is unique in itself; unique in its location, regional flavour, cultural background, food and beverages, and social activities. During the last 25 years of my professional life, I had the opportunity to attend most of the SIP meetings, bringing me to places of this world I would have never visited, talking to colleagues I would have never met, making friends I would have never known without the SIP. For many of us, these meetings and the SIP as our scientific home shaped our life – professionally and privately.

In about a month, we will be holding our annual meeting, this time celebrating the Golden Jubilee of the SIP. The meeting will be hosted by the University of California San Diego in La Jolla from August 13 to August 17. I am especially grateful to the local organisation team under the expert leadership of Surendra Dara and Kelli Hoover and including Wendy Gelernter, Raffi Aroian, Denis Bideshi, Nina Jenkins, Ken Narva, Hyun-Woo Park and Patricia Stock, among others; this team has been making arrangements with the University; it is dealing with housing, preparing the excursion, the BBQ, the 5K race, the banquet and even dancing (!), etc., all the traditional things we love and enjoy in our annual meetings. I am deeply indebted to the Scientific Programme Committee, its Chair Rich Humber, as well as Ed Lewis, Lerry Lacey and Louela Castrillo, for putting together an exciting scientific programme.

One of the highlights of each annual meeting is the Founders' lecture. This year, we will not have a Founders' lecture honoree in persona. We are going to honour the Society itself by a series of lectures prepared and organized by each of our Divisions. Highly esteemed colleagues and even some Founding and Charter Members of the Society will provide a historic retrospective and an outlook to the future of their disciplines. For the first time, the SIP will grant an Early Career award to a young investigator after a careful evaluation of several nominees, a process carried out by the Award Committee. We are very grateful to Bio-Protection Global (BPG), a newly established worldwide federation of several biocontrol and biopesticides industry associations, for sponsor-

ing this award. We are looking forward to the YouTube contest (<http://sipweb.org/about/video.html>) on invertebrate pathology, initiated and organised by the Student Affairs Committee. There will be six prizes to win. I am really excited about watching the submissions. The deadline for submission to the YouTube contest is July 13, so there is still time to prepare an Oscar-winning 3 min movie. And for those who want to take it more "gemütlich", bring your old SIP T-shirt(s) or conference bag(s) and participate in the "Golden Jubilee SIP T-Shirt and Conference Bag Contest" (the deadline is July 14 and more information is available on <http://sipweb.org/meetings.html>). It will be a lot of fun!

Though early registration deadline has already passed, there is still time for regular registration which will be possible until July 31. The Golden Jubilee meeting will be the event that cannot be missed, just like a family party. I am looking forward to meeting you in San Diego/La Jolla and celebrate with you our unique Society, our SIP.



Johannes A. Jehle



Next SIP Meeting: La Jolla, Ca, USA August 13-17, 2017

SIP 2017 Organizing Committee

Chair: Surendra K. Dara

Local Arrangements: Kelli Hoover, Wendy Gelernter, Hyun-Woo Park, Dennis Bideshi, Patricia Stock

Scientific Program: Ed Lewis, Rich Humber, Lerry Lacey and Louela Castrillo

5K Race: Nina Jenkins and Ken Narva

Excursions: Raffi Aroian



The Price Center at UCSD where the SIP meeting will be

Conference outline



The SIP 2017 conference at University of California San Diego (UCSD) campus in La Jolla will start with a mixer on Sunday August 13 in the evening, followed by scientific meetings from the next Monday to Thursday in the Price Center of UCSD. We will celebrate the contribution of the SIP to 50 years of research in invertebrate pathology and its different disciplines by a series of lectures on Monday morning. Social events at the conference include a 5K walking or running race, excursions to the San Diego Zoo and the USS Midway followed by a barbecue at the Birch Aquarium on Tuesday and a banquet at the Estancia La Jolla Hotel on Thursday. Divisions' business meetings will be held during the evening hours of Monday and Wednesday. The Society's business meeting, which is open to all conference attendees, will take place on Thursday morning.

Founders' Lecture

This year, to mark the 50th anniversary of the SIP, the "Honoree" of the annual SIP Founders' Lecture will be the Society and the "Lecturer" will be representatives of each of the Divisions, providing a decade by decade snapshot of their discipline since the founding of the SIP. Each speaker will update the audience on how her or his Division's science has advanced over the past fifty years.

Scientific program

Members, the Divisions, the Founder's Lecture Committee and the Scientific Program Committee put together the meeting's scientific program that includes a Golden Jubilee Presentation, a plenary session, contributed oral and poster presentations, and multiple individual or cross-divisional symposia.

Abstract submission

The deadline for submission of abstracts has now passed. However, abstracts may still be submitted. They will be included, but will be only allowed for poster presentation.

Accommodations

IMPORTANT! Housing on campus in the Village apartments is full. Registrants will need to pursue hotels in the area ([Hotel list](#)). Alternatively, they may contact someone they know attending the meeting to ask if they have space in their apartment for them to stay.

If you already have an apartment on campus (each has 3-4 rooms) or a double room at a hotel that you are willing to share, please let us know (send an e-mail to Cecilia Schmitt at sip@sipweb.org) or use the [Roommate form](#). This can also be used by registrants who do not have accommodations and wish to put in a request to share an apartment or room. Ms. Schmitt will do her best to connect you with other registrants who match your accommodation needs.

Special session

To bring microbial control specialists and biopesticide companies together with growers and pest control advisors in California, the 2nd Ag Innovations conference (<http://www.aginnovations.org/>) is organized on Sunday August 13, 2017 from 8 am to 5 pm. A mini agricultural exhibition will also be organized for the industry partners to showcase their products and technologies. Continuing Education Credits from the California Department of Pesticide Regulation and the California Association of Pest Control Advisors will be provided.

The number of participants is limited, so register early. Visit: <http://ucanr.edu/AIC2017> for the agenda and registration details.

Registration will be open until July 31. It will also be possible to register on-site. Anyone involved or interested in invertebrate pathology, microbial control, biopesticides based on pathogens of arthropods and diseases of beneficial invertebrates is welcome. SIP members get discounted rates.

<u>Registration fees</u>	<u>Regular</u>	<u>On-Site</u>
SIP Member	\$550.00	\$600.00
Non-Member	\$625.00	\$675.00
Student SIP Member	\$425.00	\$475.00
Student Non-Member	\$475.00	\$525.00
Charter/Founding/Emeritus	\$325.00	\$350.00

Renew your membership or join the SIP without delay!

Website: <http://sipweb.org/membershipinfo.html>

Golden Jubilee contests

Do not miss the Golden Jubilee YouTube Video Contest and the Golden Jubilee SIP T-Shirt and Conference Bag Contests. See below for more details. Deadlines to apply are July 13 for the YouTube contest and July 14 for the T-Shirt and Conference Bag contests.

The Golden Jubilee YouTube Video Contest

Participate in a YouTube video contest by preparing a short video (no more than three minutes) on basic or applied aspects of invertebrate pathology. Visit <http://sipweb.org/about/video.html> for additional details.

Prizes:

- 1st place grand prize (1 winner): \$300
- 2nd place prize (2 winners): \$200
- 3rd place prize (3 winners): \$100

Rules for the Video contest:

1. Maximum length of video is three minutes (3:00). Video length does not include title or credit segments at the beginning and end of short film. Longer videos will be disqualified from the contest.
2. The video must be submitted by a SIP member, although other participants in making the video do not have to be SIP members. At least one member involved in producing the submitted video should attend the SIP meeting (August 13-17, 2017) in San Diego. Exceptions for award provisioning will be made if there are travel restrictions or funding issues regarding the ability to attend the 2017 SIP meeting.
3. The video can relate to your research or can be educational, or both, but it must address basic or applied aspects of invertebrate pathology
4. The submitter must send the video to SIP by filling out the following form and following the directions for upload using the [Video Contest Form](#).
5. Videos must be submitted by midnight (Pacific Time) Thursday, July 13th, 2017. All videos will ultimately be displayed on the SIP YouTube channel, and the YouTube videos of the winners will be featured on SIP's website and shown during the conference. By submitting a video to the Golden Jubilee Video Contest, you automatically agree to share the video on public social media platforms by SIP. See copyright agreement on submission form.

The Golden Jubilee SIP T-Shirt and Conference Bag Contests



As first mentioned in the February 2017 SIP Newsletter, your old SIP T-shirts and SIP conference bags may be valuable. We will be having a SIP T-shirt and SIP Conference Bag contest with four categories:

1. Oldest SIP T-shirt
2. Oldest SIP Conference Bag
3. Most SIP T-shirts
4. Most SIP Conference Bags

To enter either of the contests (you may enter all four if you wish), take a picture (or pictures) of each of your SIP T-shirts and SIP conference bags you wish to present (jpeg format preferred). If you are entering either or both the “Oldest T-shirt” or “Oldest Conference Bag” contest(s), submit the image(s) with a file name containing the year and your last name, e.g. “T-shirt-2016-Krell” or “Conference Bag 2016-Krell”. If you are entering either or both of the “Most T-shirts” or “Most Conference Bags” contest, then e-mail a collage of your photos (different ones for T-shirts and for Conference bags). This could be in the form of a Word file where images could be extracted if needed (e.g. to form a historic record of the T-shirts or conference bags). The file name should be T-shirts or Conference Bags, year range (even if not all years are there) and your last name, e.g. “T-shirts 2003-2016-Krell” or “Conference Bags 2004-2015-Krell”. These images once submitted may be used for SIP advertisement and the SIP website archives.

There will be three winners (first, second and third) in each contest. Therefore, even though you might not have the oldest or most T-shirts/Conference Bags, you might have the second or third oldest or most items. If there is a tie, it will be broken by the earlier date that the relevant e-mail was received. In order to claim the prizes for the oldest T shirt or oldest conference bag, the contestant has to attend the meeting and the T-shirt or Conference Bag has to be brought to the meeting for all to admire. Winners will be announced at the barbecue.

Images or Word files should be submitted to Cecilia Schmitt at sip@sipweb.org by e-mail with the subject line “T-shirt- contest” or “Conference Bag contest”. Make it clear in your e -mail which contest (s) you are entering and your name. Remember: your last name should be part of the file name(s).

To show off your old T-shirts and reflect on the artistry that went into them over the years, we will also be having a T-shirt draw for different T-shirt years during the barbecue. So wear your favourite SIP T-shirt and if yours is one of those drawn, you could be an immediate winner.

For more information, contact the contest coordinators Peter Krell (pkrell@uoguelph.ca) or Mark Goettel (bstedit@telusplanet.net).

SIP 2017 Contact information

Website: <http://sipweb.org/meetings.html>

General queries and letters for visa: Surendra K. Dara (skdara@ucdavis.edu)

Registration and local arrangements: Kelli Hoover (kxh25@psu.edu)

Scientific program: Rich Humber (rah3@cornell.edu)

5K Race: Nina Jenkins (nina.jenkins24@gmail.com)



Downtown San Diego aerial view



San Diego Skyline from Point Loma



San Diego from
Centennial Park Coronado



Gas Lamp District from Convention Center



SeaPort Village San Diego



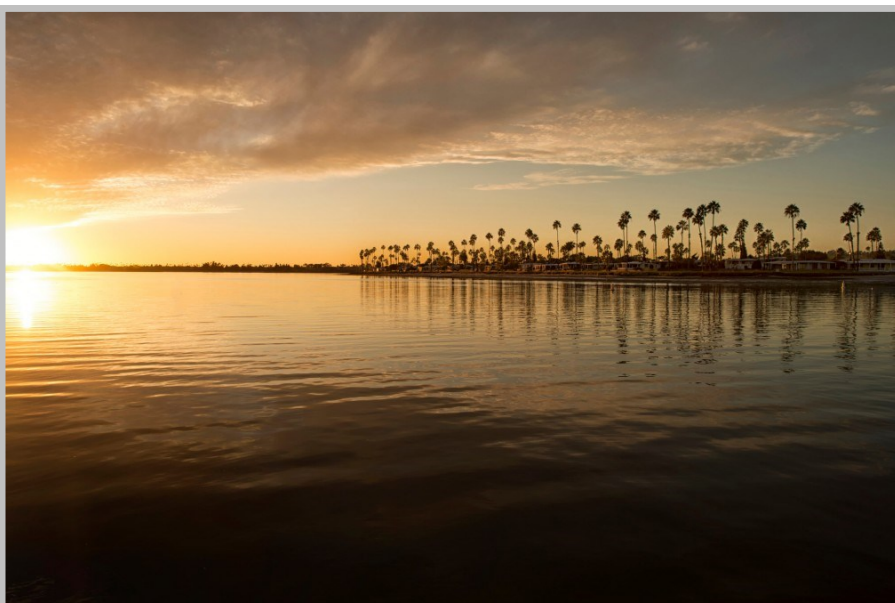
Star of India
San Diego Maritime Museum



Scripps Pier La Jolla



The Mushroom House La Jolla
(near Estancia La Jolla)



Mission Bay



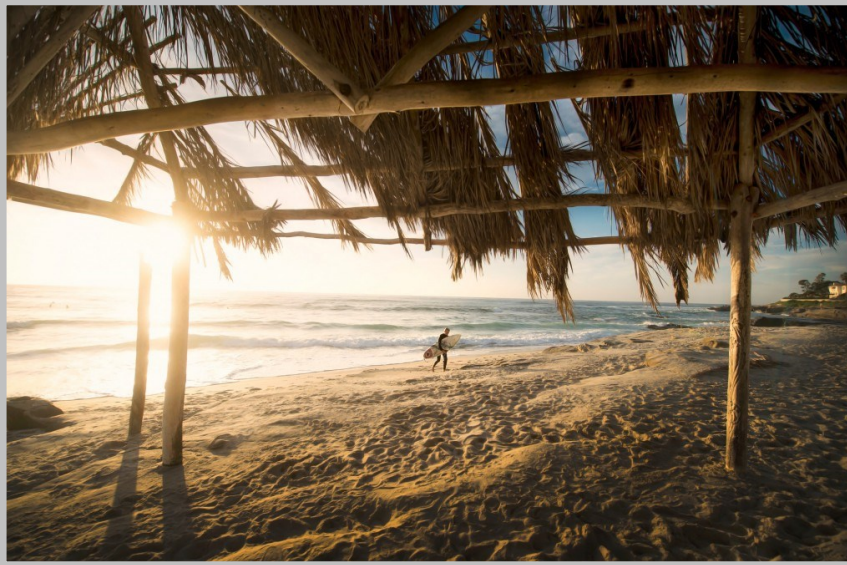
The Church of Jesus Christ
of Latter Day Saints La Jolla



Geisel Library (UCSD)



Chicano Park Logan Heights
San Diego



WindanSea Beach La Jolla



Sunset Cliffs Ocean Beach



Balboa Park San Diego

Welcome to the new members of the Society for invertebrate Pathology

(34 student members and 37 regular members)

From Australia:

Markus Riegler

From Belgium:

Haidong Wang

From Brazil:

Rafael Ferreira dos Santos

From Canada:

Michael Bidochka

James Coupland

From China:

Jianfei Dong

Zhihong Huang

Peng Lü

Fujun Qin

Jinwen Wang

Zhenying Wang

Zeyu Wang

Xi Wang

Qin Yao

Qinfen Zhang

From Germany:

Saoussen Ben Tiba

Julia Ebeling

Vivien Krell

From India:

Bora Dipsikha

From Japan:

Hiroshi Arai

Rie Ohta

From Mexico:

Arlen Peña

From New Zealand:

Charlotte Pushparajan

From South Korea:

Jong Cheol Kim

Ji Hoon Lee

Jiln Ma

HwiGeon Yun

From Spain:

Natalia González Mas

From Taiwan:

Yu-Feng Huang

From Thailand:

Pattana Jaroenlak

From Turkey:

Emre Caner

Esra Gül

From the U.K.:

Raquel Arinto Garcia

Lazarus Joseph

Jessica Kevill

James Manktelow

Freya Scoates

Georgia Ward

From the U.S.A.:

Paul Airs

Radul Banerjee

Vadim Beilinson

Kristen Bennett

Brooke Bissinger

Joseph Black

Colleen Burges

Hannah Chu

Adler Dillman

Isabel Forlastro

Premchand Gandra

Peter Graystock

John Henry

Rebekah Kelly

Dihong Lu

Blythe Marshman

Rebecca McQuade

Paul Medina

Navdeep Mutti

Brittany Peterson

Sajleen Phagura

Maribel Portilla

Brian Portoni

Jose Luis Ramirez

Alexandra Roder

Hui Shang

Irina Shilova

Hannah Stewart

Amber Tripodi

Bettina Vossbrinck

Marc Zack

Heba Zaghloul

Wei Zhang

SIP Committees (2016-2018)

Standing Committees

Nominating Committee

Peter Krell (Chair), Jørgen Eilenberg, Lee Solter, Mark Goettel, Madoka Nakai

Membership Committee

Surendra Dara (Chair), Peter Krell (Vice Chair, Ambassador Program), Stefan Jaronski (ex officio),

Annual Meeting Program Committee San Diego 2017

Surendra Dara (Chair), Rich Humber, Louela Castrillo, Ed Lewis, Lerry Lacey, Kelli Hoover, Wendy Gernerter, Hyun-Woo Park, Dennis Bideshi, Patricia Stock, Nina Jenkins and Ken Narva, Raffi Aroian

Publications Committee

David Shapiro Ilan (Chair), Selcuk Hazir, Albrecht Koppenhöfer, Byrony Bonning, Johannes Jehle (ex officio), Rose Hu (ex officio), Jean-Louis Schwartz (Newsletter, ex officio), Cecilia Schmitt (Web, ex officio), Lee Solter (JIP, ex officio)

Meetings Committee

Mark Goettel (Chair), Nina Jenkins, Elisabeth Herniou

Special Committees

Endowment & Financial Support Committee

Roma Gwynn (Chair), Michael Brownbridge, Mike Dimock, Jim Harper, Dirk Ave, Stefan Jaronski (ex officio)

Founders Lecture Committee

James Becnel (Chair), Neil Crickmore, Mark Goettel, n.n.

Awards & Student Contest Committee

Monique van Oers (Chair), Patricia Stock (Vice-Chair), Andreas Linde, Hyun-Woo Park, Kelly Bateman

Tellers Committee (2018) (to be announced)

Auditors Committee (2017) (to be announced)

Ad Hoc Committees

Golden Jubilee Committee

Peter Krell (Chair), Julie Hopper, Surendra Dara, Betty Davidson, Johannes Jehle, Nina Jenkins, Kelli Hoover, Leellen Solter, Grant Stentiford, Monique van Oers

History Committee

Elizabeth Davidson (Chair), James Harper, Don Roberts, Harry Kaya, Fernando Vega, Juerg Huber, Mark Goettel, Just Vlak

Archivist

Elizabeth Davidson

Student Affairs committee

Julie Hopper (Chair, 2016 – 2018), Louise-Marie Roux (Co-Chair), Satomi Adegawa (Bacterial Division, 2016 – 2018), Georgia Ward (Diseases of Beneficial Invertebrates Division, 2016 – 2018), Katharina Saar (2015- 2017) and Carina Ehrich (2016 – 2018) (Fungi Division), Andreas Larem (Microbial Control, 2016 – 2018), Sarah Biganski (Microsporidia Division, 2016 – 2018), Rousel Orozco (Nematode Division, 2015-2017), Yue Han (until 2017) Carina Bannach (2016 – 2018) (Virus Division), Patricia Stock (Faculty Advisor).

News and Announcements

At the San Diego SIP meeting: Seminar on Isotope Microscopy, a new tool in biology

Ryosuke Fujita, from the Isotope Imaging Laboratory, Hokkaido University, Japan, will run a short seminar on Aug. 14, from 6 to 6:30 p.m., in the lobby of the Village Apartments on UCSC campus, to introduce interested SIP meeting participants to isotope microscopy. This new technique allows to visualize very small molecules such as water, inorganic molecules and stable isotope-doped molecules at submicrometric scale. The technique is based on mass spectrometry combined with position-dependent ion detection (SCAPS). Isotope microscopy was first developed for space science studies and is now available to the field of biological sciences.



In this short seminar, potential applications of this new approach will be presented and discussed. Please check location and time, and come and join the talk! If you have questions about the seminar, contact Ryosuke Fujita (r-fujita@cris.hokudai.ac.jp).

Call for Nominations for Ambassadors

Our SIP membership is highly international and currently hails from some 50 countries. We feel that having ambassadors in those countries and neighbouring regions would strengthen the ties between them and the SIP, and we have hence instituted an Ambassador Program. This program received approval at the 2015 SIP Council meeting in Vancouver, Canada. Different countries or regions will be represented by a SIP member Ambassador who will engage with local invertebrate pathologists to inform them about the SIP and how it contributes to invertebrate pathology globally, how membership could benefit them and how it might allow for future outreach. In addition to actively engaging with regional invertebrate pathologists, the Ambassadors will also advise the SIP executive on how to better involve them in their region. Over a two year, renewable term, the Ambassadors will be our representatives on the ground, who will interact with invertebrate pathologists in their area and invite their colleagues who are not yet SIP members to join our society. The Ambassadors will act as local liaison for the SIP for general information and possible outreach activities.

While we have composed a tentative list of nominees, some of whom have already accepted nomination, we would appreciate suggestions from the SIP Divisions and individuals to propose one or more colleagues who would make great SIP Ambassadors for their countries or regions. In particular, there are several regions where SIP members are underrepresented and others where membership is marginal.

Nominations will be reviewed by the SIP Membership Committee, with final approval by the President. Once approved, Ambassadors' names and affiliations will be posted on the SIP Website and highlighted the SIP Newsletter.

To nominate an Ambassador (self-nominations are accepted) or for more information on the Ambassador Program, contact the Membership Committee Vice-Chair, Peter Krell: pkrell@uoguelph.ca.

Meetings, conferences and workshops



5th International Symposium on Biological Control of Arthropods

Langkawi, Malaysia

September 11-15, 2017

Website: <http://www.isbca-2017.org/>



VI Argentine Parasitoidologists Meeting “Synergy in the study of parasitoids”

VI Reunión Argentina de Parasitoidólogos “Sinergia en el estudio de los parasitoides”

La Plata City (Buenos Aires), Argentina)

September 18 – 20, 2017

Website: <http://virap2017.wixsite.com/virap2017>



Bacillus ACT 2017

Victoria British Columbia, Canada

October 1-5, 2017

Website: <http://lnl.cvent.com/events/the-international-conference-on-bacillus-anthraxis-b-cereus-and-b-thuringiensis/event-summary-65af2c06ed4f46eab33b5dce350f52cb.aspx>



14th IOBC-MRQA Workshop

Mass Rearing High Quality Invertebrates for Multiple Purposes

Mérida, Mexico

November 14 - 17, 2017

Website: <http://users.ugent.be/~padclerc/AMRQC/announcements.htm>



Mural located at 30th and El Cajon Blvd in North Park San Diego

See you there!

