



Society for Invertebrate Pathology Newsletter

Volume 50 Issue 1

February 2017

Welcome to the Golden Jubilee Meeting! 50th anniversary of the Society of Invertebrate Pathology

**The SIP annual meeting will be held in
La Jolla-San Diego, California, USA
August 13-17, 2017**



Soon coming!

**Deadlines for registration,
abstract submission and application to the
Mauro Martignoni Award, the Chris J. Lomer
Memorial Award, and the Divisions' Travel
Awards.**

Visit regularly the San Diego SIP website:

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

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Cover page:

San Diego skyline from Coronado Island

**From the President**

Dear friends and colleagues, dear SIP members,

This coming August 13 to 17, SIP will celebrate its 50th anniversary in San Diego, our Golden Jubilee Meeting (GJM). Our colleagues and friends from the U.S. are doing everything, under especially trying times, to make this happen and to prepare an exciting scientific and social program. Without having attended my first SIP meeting twenty five years ago in Heidelberg, being warmly welcomed by a scientific society which feels like a family and becoming an enthusiastic "SIPper", my scientific career and even my life would have taken another turn. Many of us owe this Society a lot – scientifically, professionally and personally.



I am deeply grateful to the local organization team, its Chair Surendra (Dara), and its members Kelli (Hoover), Rich (Humber), Ed (Lewis), Dennis (Bideshi), Hyun-Woo (Park), Ken (Narva), Lerry (Lacey), Louela (Castrillo), Nina (Jenkins), Patricia (Stock), Raffi (Aroian), and Wendy (Gelernter). They are doing a great job in preparing the GJM.

The Council, the Divisions and the Committees of the Society will all strongly support the local organization team in helping it in organizing the GJM. We will also do our best to support members from all over the world to help them attending this meeting.

When writing my Presidential address for the last November newsletter, I expressed my unease about conspiracy theories, prejudice and ignorance in some strata of society, which are eventually exploited and fueled by political populists all over the world. Now, three month later, I am even more concerned.

As we reflect on our own fifty years' history as a Society, I am reminded that freedom of thought and speech, free science, a free press and unrestricted travelling have been the stark and unshakable foundation of societal development and technological progress in many countries of this world, to the benefit of many. The U.S. in particular has been the world's center and leader in science and technology during the last century, as it was the place of birth and home of SIP for fifty years. Advances in the world were fuelled by scientific and technological developments initiated or completed in the U.S., because this country has always attracted the most talented people worldwide without asking questions about skin colour or religious affiliation. It invited people for their human values and talents, their knowledge and capacity of thinking, their imagination and exploratory spirit, their eagerness, their strong work ethic and their diligence. As people from all over the world contributed to U.S. science, U.S. science in turn benefited the rest of the world. Unfortunately, many of these and future achievements are under pressure and threat, not only from within the U.S. but from outside as well. Much of this is the result of ignorance and unwarranted hostility to knowledge-based facts. Ultimately this is detrimental to further progress globally.

A recent article in the February 3 issue of SCIENCE reported the increasing number of scientists calling - from within and outside the U.S. - for a boycott of

U.S. scientific meetings to protest the immigration policies of the new U.S. administration. More than 5,000 scientists and researchers have already pledged to boycott conferences held in the U.S. to show solidarity with colleagues banned from entering the U.S. by an executive order; and more signatures are being collected.

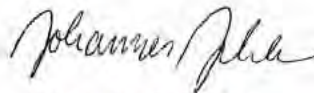
I fully understand the motivation and share the aim of this movement to remove this barrier to scientific exchange and international cooperation, but boycotting meetings, such as ours in San Diego, may not be the answer. I am afraid the current U.S. administration will not be swayed by such sign of support from our scientific colleagues. I also feel it is equally important to show strong solidarity with our U.S. colleagues who may be imperiled by further disrespect and even financial re-trenchments of their research. The more that U.S. policy, and that of a handful of others, turns against freedom, knowledge, facts and becomes seemingly anti-everything, the more we, the scientific community, need to speak with a common voice in support of our American colleagues as well.

Therefore, let us celebrate and commemorate our Society, our collaboration and our friendship – despite and because of these unsettling times.

By expressing my personal thoughts and views I am aware that any free society needs to share and exchange openly different opinions. The same holds true for our Society, which has been, for the last fifty years, and continues to be committed to free and open exchange of ideas. I am therefore inviting you – having a similar or different point of view - to write to the SIP Newsletter editor and use the newsletter as a live forum for this exchange.

Hoping to see you all in San Diego!

All the best for now,



Johannes A. Jehle



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





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 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.

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.

Golden Jubilee contests

Do not miss the Golden Jubilee YouTube Video contest and the Golden Jubilee SIP T-Shirt and Conference Bag contests (*more details below*)

Awards and assistance

Students may apply for Divisions' Travel Awards and compete for the oral and poster presentation competitions within each Division. They are also encouraged to apply to the prestigious Mauro Martignoni Award for outstanding student research. Members (students and scientists) from less developed countries may also consider the Chris J. Lomer Memorial Award, another prestigious SIP award. See more on this below.

The Society has also initiated the Early-Career Award to recognize early-career scientists. However, the application deadline for this year's competition has already passed. Visit regularly the SIP website for details on the next competition.

Accommodations

The Village apartments on UCSD campus will be available to participants. The daily accommodation rates are US\$135 for 1-3 guests and US\$185 for 4-8 guests in 2-4 bedroom apartments with bathroom, kitchen, sitting area and free WiFi. More details will soon be available on the conference website.

Registration

Registration fees vary from US\$375 to US\$675 depending on the deadlines, student or researcher status, and membership status.

Registration will open around March 1st. 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.

Renew your membership or join the SIP without delay!

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

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) or Ed Lewis (eelewis@ucdavis.edu)

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

SIP 2017 ORGANIZING COMMITTEE

Chair

Surendra K. Dara

Local Arrangements

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

Scientific Program

Rich Humber, Ed Lewis, Lerry Lacey and Louela Castrillo

5K Race

Nina Jenkins and Ken Narva

Excursions

Raffi Aroian

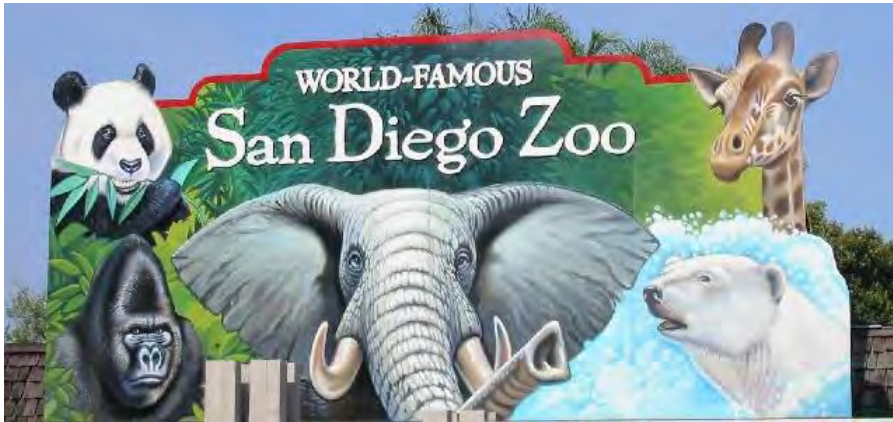
Special session

To bring microbial control specialists and biopesticide companies together with growers and pest control advisors in California, an Ag Innovations (<http://www.aginnovations.org/>) conference 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. To reserve space for the exhibition, contact Surendra K. Dara.



The Price Center at UCSD where the SIP meeting will be held



**Excursion at the San Diego Zoo
and visit of the USS Midway San Diego Museum**



**Barbecue at the Birch Aquarium
of the Scripps Institution of Oceanography**



**Banquet at Estancia La Jolla,
Hotel & Spa**

SIP 2017 Awards

The SIP offers support for students, post-doctoral researchers and scientists from lower income countries to participate in the annual meetings. For detailed information on each award, visit the webpages below:

Mauro Martignoni Award: <http://sipweb.org/about/awarddiv.html>

Chris J. Lomer Memorial Award: <http://sipweb.org/about/awardlomer.html>

Divisions' Student Travel Awards: <http://sipweb.org/about/awarddiv.html>

Early-Career Award: <http://sipweb.org/about/awardearlyc.html>

This year, a different format for the SIP Founders' Lecture

It was decided at the most recent SIP Council meeting that 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 Society. Each speaker will have twenty minutes to update the audience on how her or his Division's science has advanced over the past fifty years.

Golden Jubilee 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 (<https://fs2.formsite.com/ceceson/form17/index.html>).
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.

Golden Jubilee SIP T-Shirt and Conference Bag Contests

Your old SIP T-shirt and conference bag may be a gold mine during our Golden Jubilee. Check your closets, you may have a virtual gold mine of old SIP T-shirts and conference bags there. As part of our retrospective of the history of SIP for the Golden Jubilee Meeting in San Diego from August 13 to 17, we are holding four SIP retrospective T-shirt and conference bag contests.

1. The earliest, still wearable (i.e., intact) SIP T-shirt
2. The highest number of different year intact SIP T-shirts
3. The earliest SIP conference bag
4. The highest number of different year SIP conference bags

Prizes for first, second and third place will be announced and presented during the Barbecue. Winners are expected to attend the San Diego Meeting to receive their prize. In the absence of a winner at the meeting, the next closest person will receive the prize (e.g., if the second place winner does not attend, the prize will be awarded to the third place winner, etc.). In the case of a tie, the one with the earliest submission time and date will win.

Deadline

Friday, July 14, 2017.

Earliest T-shirt and conference bag contests

To enter, simply email a photo (jpg version preferred), including information on the corresponding year and venue, of YOUR earliest SIP T-shirt or YOUR earliest SIP conference bag. There will be three winners in each category, so even though you might not have the earliest, you may have the next earliest. The winners of the earliest SIP T-shirt and earliest SIP Conference Bag contests will bring them to the meeting for displaying during the Conference. Since some T-shirts may have shrunk over time, there is no requirement to actually wear them during the conference.

Highest number of T-shirts and conference bags contests

To enter, simply email a list of your T-shirts and conference bags, along with the relevant years and venues. The winners will not be expected to bring the T-shirts and conference bags to the meeting, but they need to provide evidence in the form of a photo album with pictures (jpg preferred) of each T-shirt or conference bag.

The emailed entries should be submitted to sip@sipweb.org with “T-shirt and conference bag contest” in the Subject window. Winners will be contacted directly.

By submitting your photos, SIP reserves the right to use them. Any photos submitted of particularly high quality T-shirts and conference bags might be posted by SIP as part of a collage to our website for all to see.

Draws for SIP T-shirt wearer during Barbecue.

Wear your favourite SIP T-shirt at the Barbecue and you may win a random draw. Several draws will be held for members wearing T-shirts of a specific year/venue during the Barbecue. You can wear only ONE T-shirt at the Barbecue. Prizes will be announced during the draw.

Looking forward to seeing all those ancient SIP T-shirts and conference bags, appreciating the original art that went into making them and reminiscing about all the good times and good science we have had.

News and Announcements

Journal of Invertebrate Pathology Special Issue on “The structure/function of new insecticidal proteins and regulatory challenges for commercialization”

Guest Editors: Colin Berry, William J. Moar and Kenneth E. Narva

Insecticidal proteins derived from the insect pathogen, *Bacillus thuringiensis* (Bt), are the basis for insect resistance (IR) traits in genetically modified crops. Together, insect resistance and herbicide tolerance traits have revolutionized modern agriculture, providing growers with technology to protect against yield loss while lowering input costs and reducing reliance on chemical pesticides. Many of today's successful IR traits face the challenge of selection for resistant insect populations in the field as well as having limited host range in some cases. In response to this challenge, several new classes of IR proteins, completely different in structure and function from Bt Cry or Vip proteins in commercialized GM crops, are being discovered and advanced as next generation IR trait candidates. While these new proteins are extremely interesting from the perspective of protein structure and function, they have intrinsic attributes and sequence or structure relationships that need to be considered, on a case by case basis, in the context of safe use and product deregulation.

This January a Special Issue of the Journal of Invertebrate Pathology (Volume 142) considers protein and structure in the context of GM crop product safety assessments, with a specific focus on new protein structure, function and specificity. Entitled “The structure/function of new insecticidal proteins and regulatory challenges for commercialization”, the issue draws state of the art information from two recent SIP meetings: 1) a symposium entitled “Structure and Function of Novel Insecticidal Toxins” at the 2014, 47th Annual SIP meeting in Mainz, Germany and 2) a workshop entitled “Regulatory Considerations for the Commercialization of New Insecticidal Proteins” at the 48th Annual SIP meeting in Vancouver, British Columbia, Canada. Sustainable agricultural productivity gains afforded by IR traits is a goal for technology providers. New IR technology will generate questions that need to be answered with new information that addresses protein safety. This Special Issue aims to share information on existing and new IR proteins, and stimulate discussion on protein bioinformatic and protein structure analyses in the context of safety assessments among other important topics.

As a follow-up to the 2014 SIP symposium, 2015 SIP Workshop and this Special Issue on new insecticidal proteins, a half-day workshop is currently being planned for the 2018 SIP Conference in Brisbane, Australia, with special emphasis on new insecticidal proteins' specificity and safety. If anyone has interest in participating in this workshop, please contact Ken Narva (KNarva@dow.com) or Bill Moar (william.moar@monsanto.com).



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Thanks to all old and new Committee Members and Chairs!

Numerous members of the Society serve in our different Committees. Their activities help to run the Society. As some Committee positions have been renewed in recent months, I would like to thank all off-rotating Committee members and chairs for their continued support and commitment to the Society during the past years. Welcome to new chairs and members who have been appointed and approved by the Council!

Johannes Jehle, President

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 Gelernter, 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)

Adhoc 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

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

Archivist

Elisabeth 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).

Calling all Ambassadors and Call for Nominations for Ambassadors

The Ambassador Program received approval at the 2015 meeting in Vancouver Canada. Different countries or regions will be represented by a SIP member Ambassador who would 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. Over a two year renewable term the Ambassadors would be our representatives on the ground, who would interact with invertebrate pathologists in their area and invite their colleagues who are not yet SIP members to join our society. The Ambassadors would act as a local liaison for SIP for general information and possible outreach activities.

We are compiling a list of Ambassadors who have already accepted nominations but would appreciate suggestions from the Divisions or individuals for colleagues they feel would make great SIP Ambassadors for their country or region — there are several where SIP members are underrepresented. Nominations will be reviewed by the SIP Membership Committee with final approval from the President. As Ambassadors are approved, their names and affiliations will be published in the Newsletter — the first ones in the June Newsletter, and posted on our SIP website. A document outlining the Ambassador Program, requirements for nominees (e.g., active participation in SIP) and mandate of the Ambassadors will be posted on the SIP website shortly.

To nominate an Ambassador or for more information on the Ambassador Program, contact Membership Committee member Peter Krell at pkrell@uoguelph.ca.

A reminder: Conference on fungal stress

Drauzio Eduardo Naretto Rangel, a member of SIP, is organizing the second International Symposium on Fungal Stress (ISFUS) at Universidade Federal de Goiás – Instituto de Patologia Tropical e Saúde Pública – Goiânia, Goiás, Brazil, May 8-12, 2017

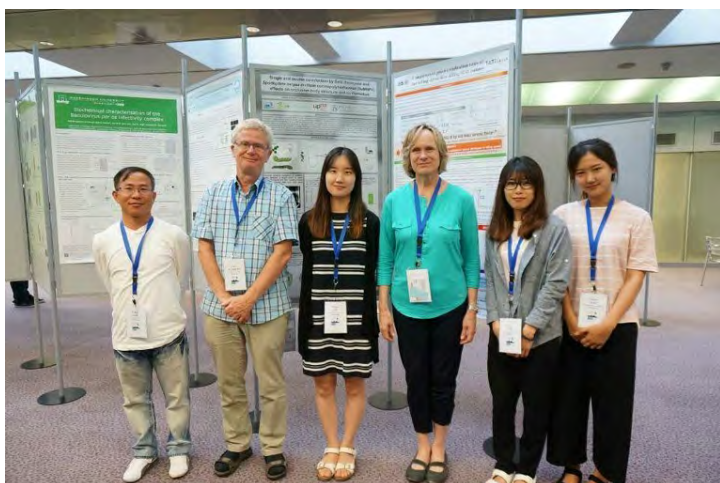
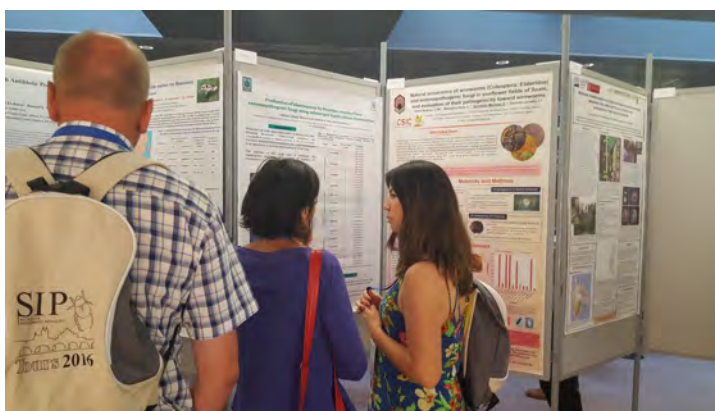
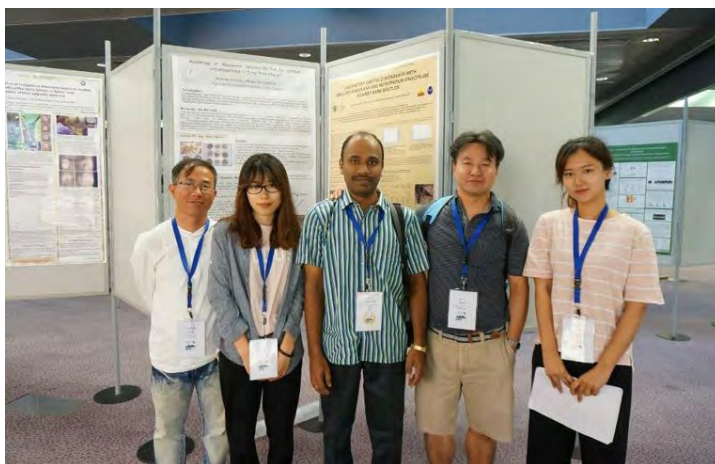
For more information, visit <https://isfus.wordpress.com/>



Great Memories from Last Year's SIP Meeting in Tours, France







SIP 2016 Excursion

"Je crois que le bonheur naît aux hommes
là où l'on trouve de bons vins".

Léonard de Vinci



SIP 2016 5K Race and Barbecue



SIP 2016 Cocktail and Banquet





Don't be sad... We'll see you again at the San Diego meeting!

