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A LETTER TO OUR ISCB MEMBERS AND COLLEAGUES

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Economical hardships increasingly grind the advance of science. Of course, the pursuit of scientific discoveries must forge ahead against the growing funding stress. We have had to rethink our approach toward scientific questions, and be creative in our means of attacking problems toward results that benefit human health. Even last year when the U.S. government enacted the American Recovery and Reinvestment Act, causing tens of thousands of scientific grant proposals to be submitted in short order in the hopes of capturing billions of dollars in new, short-term funding, each investigator hoped to be awarded funds and simultaneously wondered what he or she would do to keep their projects alive once the two-year spigot of funds dried up.

In the midst of all this uncertainty, ISCB is not just surviving – it is thriving! Our membership has not dipped as we thought it might, our ISMB attendance has not plummeted as we feared it could, and our financial position did not take an about-face and revert to earlier times when ISCB struggled to stay alive. We couldn't be more pleased to report that our membership, conference attendance and finances have all remained relatively solid and stable during these turbulent times. Now that we got this far, we need to stabilize this unexpected trend and grow more. To achieve this, we continue to make careful, thoughtful decisions on when and how to spend our limited resources toward the accomplishment of our mission and for the benefit of ISCB members worldwide.

One way we are joyfully doing that this year is with more travel fellowships. At the start of this year, ISCB committed 3,600 USD in travel fellowship funding support to the Student Council for distribution among its selected leaders and leaders of their Regional Student Groups. More recently, the ISCB Board of Directors contributed an additional 10,000 USD of Society funds toward 10-15 ISMB 2010 student travel fellowships from among the competitive application process. Your Board made this move because, although funding is tight all



Burkhard Rost



BJ Morrison McKay

over, and travel costs are among the largest of impediments to attending a conference, we recognize that at this critical but resource-limited stage in their research careers, this type of support can be immeasurable to our student and trainee communities. Your Board is committed to supporting our up-and-coming researchers, and our current financial position enables us to do this. Together with US government grants (DOE, NIGMS/NIH and NSF), ISCB will provide over 80 ISMB travel fellowships to students and post docs.

Did you know that in addition to this year's ISMB, for many years ISCB has also funded annual travel fellowships for our student/post doc members to attend ECCB, InCoB, PSB and RECOMB. Since 2002 this has amounted to over 100,000 USD in funding, and resulted in over 150 travel fellowship awards to ISCB members to attend some of the most important scholarly conferences of our science. If you are a dues paying member of ISCB, you should be very proud to know that your membership dues are put to good use! If you are not a paying member and would like to support our travel fellowships initiative, please visit our website and consider making a donation today. All donations, from members and non-members alike, are welcome, and no amount is too big or too small to make a real difference.

With our student community well attended to, both from ISCB and from the grand efforts of the ISCB Student Council, our next challenge is in making an ISCB membership more compelling to our entire scientific community by increasing the benefits that are available to all members.



ISCB Treasurer Reinhard Schneider has dedicated himself to arranging and implementing a variety of new benefits, from Google Apps accounts for all members (free you@iscb.org email address to publish with papers because it stays with you through your career), to the new ISCB Scicasts channel (enabling the latest news from ISCB and the field to feed directly to you at whatever frequency you choose). Together with our web team, Reinhard has shown enormous dedication to improving and enhancing the value of an ISCB membership.

A new institutional membership category will be available when you read this as our latest effort to expand membership. If you are with a research institute that may be interested in this type of membership option, be sure to read the related article in this newsletter. Together with our expanded Affiliates Program, that now includes regional centers and institutes, in addition to the traditional regional membership groups, our vision for ISCB is one that is truly representative of the diversity of scientists and organizations contributing toward the advancement of the worldwide understanding of living systems through computation.

Another initiative launched last year was the incredibly successful expansion of ISCB's regional meetings. In November/December the first ISCB Africa meeting, in partnership with our African affiliate, ASBCB, took place in Bamako, Mali. The energy of the attendees, and their enthusiastic desire to absorb as much science as possible in the few short days of the meeting, was awe-inspiring. Incredibly, we were able to replicate that enthusiastic response in March of this year at the ISCB Latin America conference in Montevideo, Uruguay. In both cases, these meetings were inspired by proposals from ISCB Student Council leaders, Manuel Corpas in the case of Africa, and Lucia Peixoto in the case of Latin America. They each had

a dream to bring ISCB meetings to developing regions, and your ISCB Board wholeheartedly embraced their visionary proposals. Plans are already underway for the 2nd ISCB Africa, being held March 9-11, 2011 in Cape Town, South Africa, and initial conversations are underway for the next two ISCB Latin America meetings in 2012 and 2014 as well. Soon a call for proposals will also be distributed to initiate a search for a location and date of the first ISCB Asia meeting. Full details will be posted to the ISCB website Conferences page when available.

And speaking of meetings, many of you reading this are at ISMB 2010 in Boston right now. This 18th annual conference is where we direct the majority of ISCB's human resources, to which the bulk of ISCB's expenditures go, and from which about 30-40% of our income continues to come. The success of ISCB remains largely tied to the success of ISMB, and over the years, to ensure that success, we have established a pattern of presenting a massively parallel scientific event in order to attract the best submissions and present the highest quality of science possible. We make a concerted effort to welcome all branches of computational biology, and are especially committed to addressing the reality of our interdisciplinary field by ensuring opportunities for computational and experimental scientists to contribute equally. In a nutshell, we strive to make ISMB the forum that successfully unites the varied entities of our field, under one roof, all at one time.

In the ISMB 2010 program book that is distributed to all attendees on a flash drive, and available to everyone, everywhere on the conference website, the many volunteers who made this meeting possible have been thanked, so we will not repeat the extent of that praise here. But, we do want to call your attention to the tremendous accomplishments of our

first-ever all-female triumphant trio of conference chairs - Olga Troyanskaya, Michal Linial and Jill Mesirov - who have shaped this event into something exceptional. And, Steven Leard also shares that spotlight of gratitude for his expertise in managing the logistical arrangements with a professional poise unequalled in the meeting-planning field.

Looking ahead: ISMB/ECCB 2011 will return to Vienna, Austria, July 17-19 (with pre-conference SIGs and Tutorials July 15-16). The return to the Austria Center Vienna is a first for ISMB and ECCB. Never before have we repeated a location, but we intend to do this again in order to save resources. We are looking for a few places that all organizers and attendees overwhelmingly enjoyed and that we could use as return sites. Please help spread the word about Vienna and be sure to make your own plans now to attend.

Meanwhile, surviving the economic storms of these past years has made us all stronger. Therefore, we bid you to embrace the challenges and opportunities you may face in daily life and research, and never forget to have fun - we fully support the concept that science should be fun, and we hope you do as well! Be sure to make the most of your time in Boston, or wherever you may be as you read this newsletter.

Sincerely,

BJ Morrison McKay
BJ Morrison McKay
Executive Officer

Burkhard Rost
Burkhard Rost
President

2010 ISCB OVERTON PRIZE: STEVEN E. BRENNER

By BJ Morrison McKay,
ISCB Executive Officer
and Clare Sansom, Bioinformatics
Consultant and Science Writer

Each year ISCB honors a young scientist who has already achieved a significant and lasting impact on our field. The ISCB Awards Committee, comprised of current and former directors of the society and chaired by Søren Brunak, announced the recipient of the 2010 ISCB Overton Prize is Steven E. Brenner of the University of California, Berkeley, USA. Brenner will be presented with his award at ISMB 2010 in Boston, where he will give the opening keynote lecture on July 11th.

Brenner chose the flexibility of Biochemical Sciences for his undergraduate studies at Harvard, and followed his advisor's encouragement to take computer science courses as well. As an undergraduate, he was able to work in Walter Gilbert's lab, "maybe the very first genome lab in the world." Gilbert and his colleagues were sequencing the genome of the bacterium *Mycoplasma genitalium*. While in Gilbert's lab, Brenner met colleagues who introduced him to the idea of combining both his interests into the study of computational biology.

After graduation, Brenner obtained a fellowship for graduate study at the University of Cambridge, and studied for his PhD in the MRC Laboratory of Molecular Biology under Cyrus Chothia. As one of the original authors of the SCOP: Structural Classification of Proteins database, Brenner presented it at the second ISMB meeting in 1994. While initially having an uncertain reception, SCOP has since been cited over 4,000 times and remains widely used today.

After leaving Cambridge, Brenner obtained a fellowship to the National Institute of Bioscience, Japan, to work on genome analysis, but he was soon

back in the US as a postdoctoral research fellow in Michael Levitt's lab at Stanford University. In Levitt's lab, he continued to work on genome and protein sequence analysis and the detection of distant evolutionary relationships between proteins.

In 2000, Brenner moved to the University of California, Berkeley, as an assistant professor, and became a faculty scientist at Lawrence Berkeley National Laboratory that same year. In 2009 he was appointed as an adjunct professor at the University of California, San Francisco, and is promoted to full professorship at UC Berkeley this year. His lab now includes experimental as well as computational biologists.

Over time, Brenner's research interests have broadened away from protein structure. In the decade since obtaining his first independent position, he has contributed to the understanding of genomes, and to protein and RNA function. All of his work, however, can be characterized as using evolutionary principles and statistical and computational methods to understand biology. His most important contribution to the RNA field was the discovery of the prevalence of RNA surveillance and alternative splicing as a novel mode of gene regulation. He continues to work in this area and has extended his work in RNA regulation as a member of the modENCODE consortium, which aims to identify all the functional sequence elements in the *Drosophila* and *Caenorhabditis elegans* genomes. His recent research in protein function prediction picks up on scientific interests he first discovered as an undergraduate researcher at Harvard: his group's prediction algorithms are amongst the most accurate available. He has also been involved in establishing computational approaches for the field of structural genomics, and has developed an interest in relating human genetic variation to phenotype and disease. He set out his "vision for



Steven E. Brenner, photo by Glen Dohie

personal genome interpretation" in a short paper in *Nature* in 2007, and for the last few years he has been advancing that vision for translational genomics.

Brunak recognizes that Brenner is at the upper end of the seniority bracket for the Overton Prize. "Young scientists who achieve a conspicuous success like SCOP very early in their career too often 'burn out.' In contrast, Brenner is a worthy winner because of the long-standing, excellent track record that he has established in research and scholarship," he says. Brenner himself is quick to attribute much of this success to his "wonderful" mentors, collaborators, colleagues—and especially the postdocs and students in his group from whom he says he learned the most science. He cites inspirations ranging from his parents, to advisors Gilbert, Chothia, and Levitt, who taught him "how to do science at a high level," to his senior colleague at Berkeley, Jasper Rine. This readiness to share the credit for his achievements further underscores his worthiness as the recipient of the 2010 ISCB Overton Prize.

This article is excerpted from the June 2010 issue of *PLoS Computational Biology*. To link to the full journal article please visit www.ploscompbiol.org/doi/10.1371/journal.pcbi.1000831.

2010 ISCB ACCOMPLISHMENT BY A SENIOR SCIENTIST AWARD: CHRIS SANDER

*By BJ Morrison McKay and
Clare Sansom, with grateful
attention to detail by Chris Sander*

The ISCB's Accomplishment by a Senior Scientist Award is presented annually to a scientist who has made distinguished contributions over many years of research, teaching and service. This year's award goes to Chris Sander of Memorial Sloan Kettering Cancer Center, New York, USA. He will be presented with his award and deliver a keynote lecture at ISMB 2010 in Boston, on July 12th.

Sander is one of the best-known researchers in protein structure analysis and genomics pathway analysis. Like other founders of bioinformatics, Sander was initially trained as a physicist, with a first degree in physics and mathematics from the University of Berlin in 1967, and a PhD in theoretical physics after graduate studies at the State University of New York, the Niels Bohr Institute in Copenhagen and the University of California in Berkeley. His interest in biology was first kindled by Joe Franklin, a research chemist, during a high school exchange year in Texas. At the age of 21, he went straight to the top to explore this interest, took a trip to Caltech and knocked on the door of Max Delbrück, a physicist turned pioneering bacterial geneticist. Delbrück elaborated on the potential of theoretical physics in molecular biology, but it was not until after completing his first postdoc in theoretical high-energy nuclear physics in Heidelberg that Sander made the lateral transition to biology.

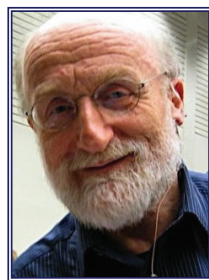
Sander chose to work on protein folding because, as he said with a smile, "I liked stereo views of molecules". He became a post-doc with Shneior Lifson, then a leader in the field of molecular force fields for biopolymers at the Weizmann Institute in Israel. "Lifson taught me that the most important skill in science is to

ask good questions," Sander says with admiration.

Having successfully switched from theoretical physics to biology, he then moved to the Max-Planck Institute for Biophysics in Heidelberg to work with Georg Schulz, a protein crystallographer, and biophysicist Ken Holmes. His first independent collaboration with post-doc colleague Wolfgang Kabsch led to the development of the algorithm for analyzing protein structures, DSSP, that 17 years later is still used as a standard for identifying protein secondary structures in experimental 3D structures.

In 1986, Sander took a giant leap from senior post-doc to department chair and founder of the Biocomputing Program at the European Molecular Biology laboratories (EMBL) in Heidelberg, with the support of Sydney Brenner, one of the grand masters of molecular biology. "EMBL is an ideal environment for young, independent scientists to flourish", he says. "It is highly stimulating, collaborative and international." During that period he also pursued his dream of building international collaborations and a worldwide bioinformatics infrastructure as active co-founder of the European Molecular Biology Network (EMBNET). When, in 1995, EMBL moved its bioinformatics research and services from Heidelberg to the European Bioinformatics Institute (EMBL-EBI) in Cambridge, UK, he joined the new institute as a group leader. Soon thereafter he was a founding member of the Board of Directors of ISCB when the society was established in early 1997.

By the late 1990s Sander was motivated by "having more impact in the real world than can be afforded by publications and conferences. While a guest at the MIT Genome Center in Cambridge, Massachusetts in 1998, he co-founded



Chris Sander

the bioinformatics company Millennium Information, a short-lived spinout from Millennium Pharmaceuticals. Recruited by Harold Varmus, in 2002 Sander accepted the challenge to found his second department of computational biology, now at Memorial Sloan-Kettering Cancer Center in New York, with strong emphasis on translational, i.e., clinically relevant, techniques and applications, particularly in cancer medicine.

Sander predicts about his own work: "the best is yet to come". He is continuing to innovate, and expects to present new results in his keynote lecture at ISMB 2010, describing a novel approach to cell biology that builds network models based on systematic perturbation of the cellular system and rich observation of the resulting changes in molecules and cellular phenotypes. "We rapidly cycle between experiment and theory and I now have a wet lab in my group for the first time in my career", he says.

Sander reflects, "The two key ingredients for successful science are asking good questions and working with good people in a friendly atmosphere. The results of my past and present work are in essence the product of my collaborations with scientists across varied disciplines and from many countries, and I am their fan."

ANNOUNCING ISMB/ECCB 2011

Benefits Galore!

Have you noticed over the past couple of years how ISCB has been enhancing its benefits package with more and more useful, cool stuff? You have Reinhard Schneider, ISCB's Treasurer since 2009, to thank for that. When he stepped into the Treasurer's role he was tasked with making membership more compelling to our community, and his efforts to do just that have been tireless.

The key components your ISCB membership now offers are the following...

Knowledge bank: journals; conferences; multimedia content; community news feeds

Web tools: Google apps, including you@iscb.org email address

Across the board savings: on journal subscriptions, conferences, books, long-term membership options

Community connectivity: blog live from ISCB conferences; get active with the student council; submit nominations for awards, honors and future leaders; connect with affiliates; network with local member community

Travel fellowships: benefit from travel fellowship opportunities for students and post docs

Professional advantage: use the jobs database to your advantage; develop your own leadership skills to serve our community; contribute financially or by volunteering your time to ISCB activities.

In addition, the Student Council has been building an outstanding benefits package for leadership and soft skills training opportunities geared specifically for students and young researchers.

Do you need more? Please let us know what additional benefits you would like to see in the future. Write to admin@iscb.org with your suggestions or requests.

VIENNA ISMB ECCB 2011



19th Annual International
Conference on Intelligent
Systems for Molecular Biology
& 10th European Conference
on Computational Biology

July 15–16
SIGS AND TUTORIALS
July 17–19
CONFERENCE



www.iscb.org/ismb2011



In June 2010, *PLoS Computational Biology* celebrates its fifth birthday. The vision of Founding Editors Philip E. Bourne, Steven E. Brenner, and Michael Eisen was to provide “a place where computational biologists can find the best work produced by their colleagues, and where the broader biological community can see the myriad ways computation is advancing our understanding of biological systems.” We believe that the breadth and quality of the articles we publish, as well as our ongoing involvement in numerous additional community-focused projects, evidence real fulfillment of this vision – and more on the horizon.

In April 2010, *PLoS Computational Biology* published its first “Conference Postcards”. We invited young scientists attending the Pacific Symposium on Biocomputing (PSB) 2010 to send us a “Postcard” describing their scientific highlight of the conference. In the article, two graduate students discuss an exhilarating talk by Edward Marcotte; their different approaches highlight the potential of Conference Postcards perfectly.

(www.ploscompbiol.org/doi/pcbi.1000746). We hope that this article will inspire upcoming scientists in the field to describe the highlights of future conferences, the first being the ISMB 2010.

These concise summaries of emerging scientific frontiers are neatly complemented by another series of articles, *The Roots of Bioinformatics*, the first of which published in June. Edited by David Searls, the series asks key leaders to give a personal perspective on the historical development of different disciplines within computational biology.

April 2010 also saw the launch of our joint venture with *PLoS ONE*, in the “RECOMB Regulatory Genomics and Systems Biology 2009” collection, which draws together papers from the two RECOMB satellite meetings last December (www.ploscollections.org/article/browse/issue.action?issue=info%3Adoi%2F10.1371%2Fissue.pcol.v01.i04).

PLoS Computational Biology maintained its strong tradition of informative Education articles and thought-provoking pieces about the emerging issues in the field. We remain pleased that these articles, some noted below, are well read and highly downloaded as tracked by using PLoS’ new Article Level Metrics, which allow readers and authors to instantly see usage statistics for any published article.

Examples of highly downloaded content:

Structure of Protein Interaction Networks and Their Implications on Drug Design

Hase T, Tanaka H, Suzuki Y, Nakagawa S, Kitano H
www.ploscompbiol.org/doi/pcbi.1000550

Googling Food Webs: Can an Eigenvector Measure Species' Importance for Coextinctions?

Allesina S, Pascual M
www.ploscompbiol.org/doi/pcbi.1000494

Functional Brain Networks Develop from a “Local to Distributed” Organization

Fair DA, Cohen AL, Power JD, Dosenbach NUF, Church JA, et al.
www.ploscompbiol.org/doi/pcbi.1000381

Ten Simple Rules for Choosing Between Industry and Academia

Searls DB
www.ploscompbiol.org/doi/pcbi.1000388

A Quick Guide to Teaching R Programming to Computational Biology Students

Eglen SJ
www.ploscompbiol.org/doi/pcbi.1000482

As ever, we are aware that the journal’s success is dependent on the hard work and dedication of, and the donation of time and expertise by, the community, and we are grateful to all of you for your support.

MEET THE ISCB FELLOWS CLASS OF 2010

Leadership Elections Notice of Officer Nominations

*Submitted by Dietlind Gerloff,
ISCB Nominations Committee
Chair*

It's that time again! Officer nominations are due by July 27, 2010 at www.iscb.org/nominate (you must be logged in to your membership record to access the nomination form). This time we are seeking nominations for Vice President, Treasurer and Secretary.

These two-year Officer terms begin January 21, 2011, followed by one additional year as a Board Member. Each nominee must have served at least one year on the ISCB Board of Directors and be a current ISCB member (or can renew an expired membership by the end of August). The nomination form includes the list of possible nominees based on their current or past Board service eligibility.

All Officer candidates must pledge to make every reasonable effort to attend the weekly Executive Committee teleconferences, the bi-monthly Board of Directors teleconferences, and the annual in-person Board meeting at ISMB through completion of the two year Officer term, plus the additional year on the Board.

Full information regarding the 2010 nominations/elections timeline, call for nominations, and responsibilities can be found at www.iscb.org/leadership-nominations-and-elections.

We are looking forward to an active participation by the ISCB membership in the nominations and election process, and I thank you in advance for your qualified nominations.

The ISCB Fellows Program was inaugurated last year to honor members that have distinguished themselves through outstanding contributions to the fields of computational biology and bioinformatics. During the inaugural year of the program, ISCB conferred Fellows status on all seven of the ISCB Accomplishment by a Senior Scientist Award winners to-date: David Haussler, David Lipman, Webb Miller, David Sankoff, Temple Smith, Janet Thornton, and Mike Waterman, and committed to automatically honoring all future winners of this award as Fellows as well.

For this year's Fellows, the Society put out a call for nominations to our member community. The minimum criteria for nomination of highly accomplished and distinguished scientists was that the nominated member had maintained an active membership for at least three of the last six years, and the nomination required endorsement by at least three additional current members. Upon closing of the nomination and endorsement periods, the Fellows Committee, chaired by Søren Brunak (who also chaired the Awards Committee over the past three years), held two meetings to thoughtfully discuss each nominee in order to make the final selections for the Fellows Class of 2010. The selection was particularly difficult this first time around because many nominations were of exceptional contributors to ISCB, and all were of researchers who have fulfilled important roles within our science. Because of the exceptional qualities of the many nominees not selected as Fellows this year, all nominations are being carried over for consideration again in 2011. (Watch for the next Call for Fellows Nominations coming out in October of this year.)

It is with great honor that the ISCB Board of Directors, together with the ISCB Fellows Committee, introduces the newest Fellows featured to the right. If you are attending ISMB in Boston, please be sure to come to the ISCB Open Business Meeting on Sunday, July 11th at 5:45 p.m., during which a brief Fellows ceremony will take place in Room 302 of the Hynes Convention Center.

ISCB 2010 Fellows



Russ B. Altman,
Stanford University,
USA



Lawrence Hunter,
University of
Colorado School
of Medicine,
Denver, USA



Eugene Myers,
Howard Hughes
Medical Institute
Janelia Farm Research
Center, Ashburn
USA



Chris Sander,
2010 ISCB
Accomplishment by a
Senior Scientist Award
winner, Memorial
Sloan-Kettering Cancer
Center, New York, USA



Gary Stormo,
Washington University
in St. Louis, USA



Alfonso Valencia,
Spanish National
Cancer Research Center
and Spanish National
Bioinformatics Institute,
Madrid, Spain

ANNOUNCING ECCB10

ECCB10

Ghent, Belgium

9th European Conference
on Computational Biology
September 26-29, 2010



Join us in Ghent for ECCB10!

ECCB10 is the key European computational biology event in 2010 uniting scientists working in a broad range of disciplines. Including: bioinformatics, computational biology, biology, medicine and systems biology. Part of the ECCB conference series, it will be organized this year jointly by the Belgian and Dutch bioinformatics communities.

Leading bioinformatics researchers, computational biologists, and bio-IT professionals from Europe and around the world gather annually at the European Conference on Computational Biology (ECCB) for four days of presentations, poster sessions, workshops, software demonstrations, and most importantly—networking. ECCB is the leading European meeting and a primary international conference at which people report on and discuss advances in this rapidly-expanding field.

Ghent is one of Europe's most exciting medieval towns, a glorious eclectic city with spectacular buildings and a vivid cultural experience (National Geographic Traveler ranked it 3rd best historic place to visit internationally in 2008). Ghent is directly accessible by train from Brussels airport, the conference venue is highly convenient and located in a beautiful park within the city center.

We look forward to welcoming you to Ghent.

The ECCB10 Organizing Committee

Invited Speakers

Peer Bork (EMBL-Heidelberg)
Elaine Mardis (Washington University)
Michael Sternberg (Imperial College London)
Hans Westerhoff (University of Manchester, Free University of Amsterdam)
Yves Van de Peer (University of Ghent)

Key Dates

April 9, 2010
- Paper submission deadline

May 7, 2010
- Registration open

June 3, 2010
- Industry and demo track submission deadline

June 20, 2010
- Poster submission deadline

June 25, 2010
- Travel fellowship application deadline

August 13, 2010
- Early registration deadline

Local Organizing Committee

Yves Moreau (Chair) (University of Leuven)
Jaap Heringa (Free University of Amsterdam)
Gert Vriend (Radboud University)
Yves Van de Peer (University of Ghent)
Kathleen Marchal (University of Leuven)
Jacques van Helden (Université Libre de Bruxelles)
Louis Wehenkel (Université de Liège)
Antoine van Kampen (University of Amsterdam)
Peter van der Spek (Erasmus MC)

Info

website: www.eccb10.org
e-mail: info@eccb10.org

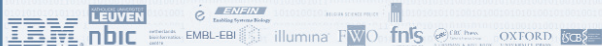
Become an ISCB Affiliate

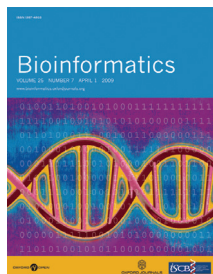
In 2002 ISCB introduced the Affiliated Regional Groups (ARG) Program, to establish a formal affiliation between ISCB as an international organization and the rapidly expanding geographically based bioinformatics and computational biology membership groups and societies around the world. The program started with a bang, with groups from Boston to Vancouver in North America, Italy to Germany in Europe, and Japan to India in Asia quickly signing on. Since then the program has grown to include 23 membership societies in 18 countries on five continents. The Polish Bioinformatics Society was gladly welcomed as our newest ARG just last month.

With the program maturing, the ISCB Affiliates Committee began a transformation last year as well, which its members are still working through today. Their first order of business was to update the guidelines for affiliation to include opportunities for established institutes, centers and networks to connect more formally with ISCB. This proposed expansion of the original affiliates program was presented to the Board of Directors in 2009, and easily approved. We are pleased to report that EMBnet was the first to sign on under the Affiliated Regional Networks category, and INB-Spain, the Spanish National Bioinformatics Institute, is the most recent Affiliated Regional Institute addition.

The ISCB Board continues to explore ideas toward fulfilling a vision of a more unified global community of computational biologists, and will report to our members and colleagues as new programs or benefits are established. Meanwhile, if you are a member of a regional group, institute, center or networks and are interested in affiliating with ISCB, please refer to www.iscb.org/iscb-affiliates and download the guidelines for application details.

Continued on page 15





At the time of writing our new 2009 impact factor has just been announced, and we're happy to report that it has increased to 4.926. Some of the most highly cited papers contributing to this figure include:

- WHAP: haplotype-based association analysis. Purcell, S; Daly, MJ; and Sham, PC. *Bioinformatics* (2007) 23:255-256

Meanwhile the paper on Jalview Version 2 by Waterhouse et al. [*Bioinformatics* (2009) 25: 1189-1191] is currently our most highly cited from 2009.

We were very pleased to welcome David Posada to the *Bioinformatics* Associate Editor team at the start of 2010, bringing core expertise in the area of phylogenetics, and we have also been joined by three new editorial board members – welcome to Mario Albrecht, Predrag Radivojac and Cathal Seoighe. We'd like to take the opportunity to thank over 2800 individuals who acted as reviewers during 2009, making the peer review of over 2000 submissions possible.

Online commenting functionality is now available to encourage comments and debate around the articles we publish. You might, for example, want to contribute your thoughts on Editorial pieces, or if you spot a dead link, the comments feature can be used to let readers know an up-to-date URL if the resource has simply moved location. Comments are moderated by the Editors prior to publication online to check appropriateness and prevent spam.

Bioinformatics is again sponsoring the successful high-throughput sequencing (HiTSeq) SIG at ISMB this year and will award two prizes for the best papers during the event. Last year's awards were presented to Kai Ye and co-authors for a paper on

'Pindel', and to Cole Trapnell and colleagues for 'TopHat'. A selection of papers from HiTSeq 2010 appear in issue 10 of 2010, with the main conference proceedings of ISMB appearing in issue 12 and available open access. We'll be handing out a printed collection of papers from our next generation sequencing virtual issue, which continues to grow online, at HiTSeq 2010 in Boston.

Finally a quick update on our optional open access model – each *Bioinformatics* author has the choice of whether to publish under this model depending on the funds available to them. In 2009, 30% of authors chose the open access option – the highest uptake of all Oxford Journals participating in the optional Oxford Open initiative, and also we believe across the wider publishing landscape. Importantly the online subscription price for *Bioinformatics* is adjusted to reflect this level of uptake, so that authors and libraries do not pay twice for open access content.

As always we welcome feedback on any aspect of the journal – please get in touch via the email address below.

Best regards,

Alex Bateman, Alfonso Valencia and the *Bioinformatics* Editorial team

bioinformatics.editorialoffice@oxfordjournals.org

SPOTLIGHT ON ISCB AFFILIATED REGIONAL CENTER: NETHERLANDS BIOINFORMATICS CENTER (NBIC)



*By Ruben Kok and Esther Thole
of NBIC*

NBIC: The Dutch Bioinformatics Hub

The Netherlands Bioinformatics Centre (NBIC) represents the academic and industrial bioinformatics community in the Netherlands. Since its start in 2004, NBIC has been pivotal in bringing the initially scattered field together to form a strong and dynamic community that performs internationally competitive bioinformatics research and provides bioinformatics expertise, infrastructure and personnel to support large-scale research initiatives within the Dutch life science sectors. NBIC is a public-private partnership and is supported by the Dutch government through the Netherlands Genomics Initiative (www.genomics.nl).

Research, Support, Education

The NBIC network of scientists consists of bioinformaticians and computational biologists working on a broad array of life sciences topics: from cancer genomics to industrial fermentation, from crop research to toxicogenomics and from ecogenomics to nutrition. Scientific programmers and software engineers help to create bioinformatics tools and toolboxes and to set up common infrastructures that support life science projects. Throughout the year, NBIC organizes numerous scientific meetings and other events to stimulate dissemination of

knowledge, tools and expertise. To train the next generation of bioinformaticians, the NBIC community undertakes a broad array of education activities, ranging from advanced courses offered by the NBIC PhD School to programs for high school students.



Internationally Active

Next to the central role it plays in the Netherlands, NBIC takes an active position in the worldwide bioinformatics community. NBIC scientists participate in a growing number of international research projects and international partnerships are established to support high-level bioinformatics education. For example: August this year, NBIC and SIB Swiss Institute of Bioinformatics organize a joint Bioinformatics Summer School on "Quantitative imaging and modeling of biological-processes" in Amsterdam.

Concept Web Alliance

NBIC scientists actively contribute to several standardization programs, including the World Wide Web consortium (W3C), BioCatalogue and the Concept Web Alliance (CWA), a global NBIC initiative.

With CWA, NBIC and partners aim to organize an international public-private alliance to develop practical solutions to 'interoperability' of scholarly information and data resources in the life sciences. After New York (2009), the next CWA meeting will be held in Amsterdam, the Netherlands in November 2010, under the title "Connecting Biobanks".

ISCB Connection

NBIC is a regional affiliate of the ISCB, as the Society's first Affiliated Regional Center, and actively participates in education-related initiatives, such as the ISCB Education Committee. In addition, two young NBIC researchers are now chair and secretary of the ISCB Student Council.

Interested in what's going on in the Dutch bioinformatics and computational biology community under NBIC? Interested in collaboration in research, support or education?

Visit our website at www.nbic.nl or contact us at office@nbic.nl.



ISCB STUDENT COUNCIL OVERVIEW



The goal of the 6th ISCB Student Council Symposium (<http://symposium.iscbsc.org>) is to create an opportunity for students to meet their peers from all over the world for an exchange of ideas and networking. To achieve this goal, we encourage students to present their work through oral and poster presentations, we provide financial support for them to attend the symposium and we organize various social events.

Exciting new research results are presented by twelve selected student authors who submitted outstanding work to the symposium. More than 30 young researchers volunteered to review 94 abstracts. A wide range of research areas is covered and the poster session also offers exciting science in various domains. In addition, we are honored to have Gary Bader (University of Toronto), David Altshuler (Broad Institute) and Larry Hunter (University of Colorado) as keynote speakers.

To support the symposium delegates, we provide no less than 18 travel fellowships, including four full fellowships of 2,500 USD each for students from developing countries (see <http://symposium.iscbsc.org/content/travel-fellowships#winners>). Congratulations to all successful applicants!

We thank our volunteers who have spent many months preparing all aspects of this symposium and hope you enjoy it!

ISCB Student Council Highlights

By Thomas Abeel, Student Council Symposium Chair and Magali Michaut, Student Council Symposium Co-Chair

For the Student Council this is another year full of exciting developments and our packed schedule of events at ISMB 2010 is only part of a much bigger picture.

This year Student Council activities are taking place for the duration of the whole ISMB conference. Our annual Student Council Symposium, as in previous years, is held on the day before the official ISMB opening and our Art and Science Exhibition, now in its third year, will be open for the duration of the conference.

Our volunteers will be staffing the Student Council booth in the exhibition area where career advice sessions and job boards will be available. We will also be running an information session about career opportunities for early career scientists. A series of non-scientific networking events will be taking place at our "Social HQ" during ISMB. Come to our booth to find out more!

We are also very pleased to be able to reach out to the student community beyond ISMB throughout the whole year. This is possible to a large extent due to an increasing number of volunteers, who are committed to developing the computational biology student community. For instance, the Student Council is currently in the

process of developing a series of new educational and career resources for our website that will be available to students and early career researchers anywhere and anytime. Another ongoing effort is an internship program that we are establishing in collaboration with labs that are willing to host a student for a few months.

Our biggest area of growth is our Regional Student Groups initiative, which now comprises an impressive 19 groups in six continents. These groups are run by an ever-increasing number of local student volunteers, and cater to the specific needs of their community. Through their affiliation with us, Regional Student Groups are provided with opportunities to get in touch with community leaders elsewhere and with access to our expertise and resources. This year, for the first time, ISCB has provided the Student Council with funds to grant financial support for projects run by Regional Student Groups. In the first round of funding 10 proposals were submitted and we expect to fund two projects this summer and two further projects in a second round.

Did this pique your interest? We are doing our best to make staying in touch with the Student Council as easy as possible: our announcements are posted on our Facebook group, our LinkedIn group and on Twitter, and of course on www.iscbsc.org. Why don't you stop by and have a look around?

FASEB UPDATE



In 2003 ISCB joined the Federation of American Societies for Experimental Biology (FASEB; www.faseb.org), the largest coalition of biomedical research associations in the United States, composed of 23 societies with more than 100,000 members. The Federation's mission is to advance health and welfare by promoting progress and education in biological and biomedical sciences through service to its member societies and collaborative advocacy. Here's how they do that:

ADVOCACY

The FASEB Office of Public Affairs has as its core function to advocate for biomedical science funding and research capacity within the U.S.

Science Funding Recommendations

The majority of FASEB's focused advocacy effort goes toward making NIH budget recommendations, with additional recommendations on the budgets of the NSF, DOE, USDA and Veteran's Administration. Toward this effort, FASEB staffers and its president attend meetings with and make presentations to key congressional leaders and their staff, who champion FASEB's message onto the House and Senate floors, and into the Appropriation Committee meetings.

Using projections from the Summary of the FY 2011 President's Budget that indicates a decrease from 36.4 billion to 32.2 billion USD year-over-year as the American Recovery and Reinvestment Act (ARRA) funding comes to an end, FASEB has calculated the impact would result in an NIH purchasing power reduction of 14.3%, a capacity drop of 11.1%, and a decline in fundable grants by 15.5%. Therefore, FASEB is strongly advocating that Congress appropriate 37 billion USD for NIH in 2011,

and they are using all available channels to spread that message and the rationale behind it. Will they succeed? It's too soon to tell. But, encouraged by comments made by NIH Director Frances Collins during a talk he gave to FASEB's Board of Directors at their meeting last December, the message is heavily weighted with an emphasis on the importance of investigator-initiated research, and that a reduction of research capacity will potentially delay or interrupt promising new efforts to find treatments and cures of life-threatening diseases.

Science Training Opportunities

FASEB has also been actively advocating for the broadening of science training opportunities by submitting comments to the NIGMS/NIH strategic plan for training and career development. FASEB believes the goal should be to prepare trainees for careers in biomedical sciences, including positions in research, education and science-related fields for which their training makes them especially qualified. Further emphasis is that training should be broad-based enough to enable students to pursue a wide range of scientific questions with the capability to transition among research areas as opportunities emerge.

Research Information Technology

ISCB's John Wooley chairs this new committee that addresses topics of information technology in biomedical research. The committee has released a policy statement regarding cyberinfrastructure and the need to develop strategies for coping with mass storage and other computational infrastructure needs.

International Issues

The committee on international issues has begun to address animal extremism activities that are building momentum around the world. A summit is being planned to further discuss this issue.

U.S. Entry Visas

In recent years ISCB worked with FASEB to produce data on this topic. If you entered the U.S. to attend ISMB or for any other science-related reason this year, what was your experience in obtaining a visa? Was the process more efficient than in the past, or do you feel nothing has changed? Does ISCB need to rattle this cage once again, or are there marked improvements? Please let us know at policy@iscb.org.

Other Active Advocacy Issues

In addition to the above, other recent advocacy efforts have been: (1) opposed a set-aside increase to 40% of Small Business Innovation Research grants that would redirect 1 billion USD to this single research program at the expense of all others; (2) responded to the White House Office on Science and Technology Policy proposal on Grand Challenges of the 21st Century and on the proposed rule on meaningful use of electronic health records put forward by the Centers for Medicare and Medicaid Services; (3) took a stand in support of the humane treatment of animals in research, and against the Great Ape Protection Act that would prohibit all research using chimpanzees.

RESOURCES

Congressional Visit Tool Box

For scientists to use to interact with members of Congress, this Tool Box is now available as an online resource containing templates for meeting requests and follow-up letters, printable "leave behind" materials, and customizable talking points on the importance of biomedical research. ISCB's Barbara Bryant put the Tool Box to the test when she participated in this year's annual Capitol Hill Day on May 5th. Altogether, FASEB researchers and staff visited nearly 40 congressional offices and attended breakfasts with two members of the Senate Appropriations Committee to advocate for FASEB's recommendations of 37 billion USD for NIH and 7.68 billion for NSF in FY 2011. The consistent message in the

Continued on page 13

visits was that ARRA funding inspired creative energies of research teams across the U.S., and that we now face a major shortfall when these funds have been spent. Returning to pre-ARRA funding levels would be a setback for science projects as well as those suffering from the burdens of disease.

Breakthroughs in Bioscience

Breakthroughs in Bioscience (<http://opa.faseb.org/pages/Publications/breakthroughs.htm>) is an exceptional publication series of illustrated articles designed to demonstrate how basic research translates into medical advances. New topic ideas that describes basic or clinical research discoveries with a clearly demonstrable societal impact, such as by the development of a current therapy or diagnostic technology, are welcome. Write to policy@iscb.org if you are interested in contributing to the publication.

Horizons in Bioscience

This new series of publications describes scientific discoveries on the brink of clinical application. The one page *Horizons in Bioscience* document (<http://opa.faseb.org/pages/Publications/horizons.htm>) are intended to supplement the *Breakthroughs in Bioscience* publications. Both publications are available for download, and free hardcopies may be ordered from FASEB.

STUDENT OUTREACH EFFORTS

MARC Program

FASEB administers a multi-year NIH Minority Access to Research Careers (MARC) grant to help U.S. citizen and permanent resident minority students with, among many other things, the costs of attending conferences, including any official meeting of ISCB. See <http://marc.faseb.org/pages/page2a.htm> for information.

ISCB Student Council at ISMB

FASEB has sponsored the Student Council

booth space at ISMB, including covering the travel and registration costs of an expert to provide CV critiques from the booth for students and post docs wishing to tap into impartial advice.

ISCB Conference Travel Support

Through the MARC program FASEB fully supported all travel and registration costs for minority students to attend ISMB, Rocky and the new ISCB Latin America conference in Uruguay this past March.

ISCB at ABRCMS

For the past two years FASEB has sponsored ISCB's participation in the Annual Biomedical Research Conference for Minority Students (ABRCMS; www.abrcms.org/index.html) as a means of supporting our efforts to reach underrepresented minorities. ISCB's presence at ABRCMS helps us create awareness and foster interest in higher education with the possibility of careers in computational biology/bioinformatics.

ISCB Members Contribute to FASEB Activities

Our members are involved in FASEB in many ways: John Wooley and Barbara Bryant serve on the board of directors, with John also serving on the research information technology committee, Greg Tucker-Kellogg on the international issues committee, Scott Markel on the publications and communications committee, BJ Morrison McKay on the executive officers advisory committee, and other members that volunteer from time to time to serve on the committees that develop U.S. federal funding recommendations. We thank these members of ISCB for their past and current service, and invite other interested members to contact us at policy@iscb.org.

What's in it for You?

With each year's ISCB budget review, the Board appropriately asks, "Is it prudent to

allocate funds to belong to a federation that only stands to benefit our US-based members?" On average approximately 50-55% of ISCB members are based in the U.S., but our total membership includes researchers in over 70 countries, which makes this a fair question and one that merits regular review. Clearly we could not afford to allocate funds to similar organizations if they existed in every member's country. But, in actuality, we have been unable to identify advocacy organizations like FASEB in any other member country. Does the lack of similar organizations mean we should not participate as fully as possible in one that is effective in its mission to advocate for progress and education in biological and biomedical sciences on behalf of at least half of our members? So far, the Board has upheld the belief that FASEB's advocacy within the U.S. can have far reaching benefits to members in other countries. Scientists around the world have been funded through NIH grants. Many students and post docs cut their teeth in U.S. labs that are funded by the NIH and/or other U.S. government agencies. Without consistently strong U.S. government research budgets, these opportunities for cross cultural collaboration and exchange could dry up within the U.S. and students and researchers from outside the U.S. could have reduced opportunities to study and collaborate with U.S. labs.

We welcome your views on FASEB's efforts and overall effectiveness. Please let us know if you perceive ISCB's membership in FASEB to be a worthy investment in the future of our science and the broader scientific arena by writing to us at policy@iscb.org.

ANNOUNCING ROCKY '10



8th Annual Rocky Mountain Bioinformatics Conference



December 9 - 11, 2010
Aspen/Snowmass, Colorado
Silvertree Hotel

Rocky is an official conference of the
International Society for Computational Biology



ISCB presents the eighth Rocky Mountain Bioinformatics Conference (Rocky '10) in Snowmass/Aspen, Colorado from December 9 - 11, 2010. The meeting brings together computational scientists from around the world to share research results and build community.

A mixture of invited lectures, discussions on topics of special interest and short talks from many research groups fills the scientific program. Informal community building opportunities include discounted lift tickets and a catered off-site dinner.

The conference features keynote speakers, flash presentations and posters. Abstract submissions for oral and poster presentations are encouraged!

See key dates below and make your plans to participate now!

◆ KEY DATES ◆

Abstract Submission Opens	August 2
- Abstract Submission Deadline	October 15
- Abstract Notification	November 2
Registration Opens	September 1
MARC Travel Fellowship Application Deadline	October 15
Early Registration Deadline	November 9
Housing Cut-Off Deadline	November 9
Academic Retreat Sign-Up Deadline	November 9
Rocky Conference Dates	December 9-11

Conference Chair

Lawrence Hunter, Ph.D.
Director
Computational
Bioscience Program
University of Colorado, Denver
Anschutz Medical Campus
<http://compbio.ucdenver.edu/hunter>

Contacts

Rocky Conference Coordinator
Stephanie Hagstrom
rocky@iscb.org
960-239-9177

Registration Coordinator
Suzy Simon
edmgr@iscb.org

www.iscb.org/rocky10

INTRODUCING Institutional Membership Categories

The ISCB expands its membership from solely individual memberships to now include institutional membership opportunities with a wide range of benefits.

Not-For-Profit Institutional Membership

Not-for-profit research organizations such as foundations, governmental research institutes and other institutions with a research program in Life Science Informatics (educational institutions such as universities and colleges are excluded).

For-profit Institutional Membership

For-profit organizations working in the Life Sciences sector including but not limited to pharmaceutical and biotech companies, hard- and software manufacturers, consultants and publishers.

Benefits

One representative of the institution shall be designated as the Institutional Member Liaison (IML) to ISCB for administration of the benefits below.

The Institutional Member organization may opt to be listed on the ISCB portal site with a short description and hyperlink to the organization's website.

- The Institutional Member organization may take advantage of the ISCB member conference registration discount up to five times per year for ISCB owned conferences - excludes affiliated and co-sponsored conferences. (A \$1,100.00 value.)

o All 5 registrations may be for the same ISCB conference, or they may be split up between various ISCB conferences.

o The names and contact details of each conference registrant shall be designated by the IML prior to conference registration (refunds/credits will not be given for conference registrants that have not been pre-designated in this way).

o The conference date must precede the institutional membership expiration date.

- Up to 10 free job postings per year on the ISCB jobs portal. (A \$1,500.00 value.)

- Up to 15 online passes to the membership areas of the ISCB portal. (A \$750.00 value.)

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ANNOUNCING CSHALS 2011

*Institutional Memberships
continued from page 14*

- o The names and contact details of the 15 individuals must be designated in advance by the IML and are non-transferable to other contacts in the course of the one-year institutional membership
- o The online passes expire on the institutional membership expiration date.
- One representative, as designated by the IML, is invited to the ISCB affiliates and institutional members meeting held during the ISMB conference with board members of the ISCB.

Total Value of above Benefits:
\$3,500.00

Annual Fee

The annual fee for an Institutional Membership is \$1,675 USD. This is 50% off the total value of the benefits detailed above when purchased separately. The Institutional Membership represents an exceptional opportunity for any organization dedicated to providing its personnel with many of the ISCB benefits offered throughout the year, particularly in the areas of education, recruitment and networking.

Restrictions

An ISCB Institutional Membership is not an endorsement of the institution in any way, and the Institutional Membership organization explicitly agrees not to advertise, promote or make this membership known in such a way as to imply any endorsement from ISCB. If ISCB, at its discretion, perceives the membership is presented by the organization as an endorsement, ISCB reserves the right to invalidate the institutional membership immediately, without obligation to refund fee(s) paid to-date.

Enrollment

The Institutional Membership application is accessible from www.iscb.org/iscb-membership, and hyperlinks will be included from ISCB conference registration sites in the future. If this is the type of membership opportunity you have been waiting for, please consider joining and become one of the first ISCB Institutional Members.



CSHALS 2011

Conference on Semantics in Healthcare and Life Sciences



February 23 – 25, 2011 • Cambridge/Boston, USA

Mark your Calendar Now!

CSHALS is the premier annual event focused on the use of semantic technologies in the pharmaceutical industry, including hospitals/healthcare institutions and academic research labs.

Rather than a Semantic Web conference, CSHALS focuses on specific applications of semantic technologies. Attendees will gain a better understanding of where the field is headed and be prepared to advance with the field.

KEY DATES

ORAL & POSTER SUBMISSIONS

Aug 30, 2010	Call for Oral and Poster Presentations Opens
Oct 15, 2010	Call for Oral Presentations Closes
Oct 29, 2010	Oral Presentation Acceptance Notification
Jan 7, 2011	Call for Posters Closes
Jan 14, 2011	Poster Acceptance Notification

REGISTRATION

Nov 1, 2010	Registration Opens
Jan 21, 2011	Early Discounted Registration Closes
Jan 22, 2011	Regular Registration Opens
Feb 23, 2011	Registration

CSHALS TUTORIAL & CONFERENCE

Feb 23, 2011	Registration & Tutorial
Feb 24 & 25, 2011	Conference

RESEARCH THEMES

Where are semantic applications having the biggest impact?

What support exists for using semantics for automated reasoning and agent technologies?

How well do semantic tools enable the visualization and utilization of information and knowledge?

What are the measurable benefits of Semantic Web standards, such as RDF, OWL, and SPARQL?



As official conference of the
International Society for Computational Biology

www.iscb.org/cshals2011

KEY DATES FOR KEY CONFERENCES

Make a note of the important upcoming Key Dates for these ISCB and ISCB co-sponsored conferences. Dates listed are in 2010 unless otherwise noted. As all dates are subject to change, please visit the respective conference websites for updates and additional details.

ECCB10 (www.eccb10.org) September 26-29

Early registration deadline August 13

InCoB'10 (<http://incob10.hgc.jp/>) September 26-28

Late-breaking abstract deadline August 1

Early registration deadline August 15

Rocky '10 (www.iscb.org/rocky10) December 9-11

Abstract submission deadline October 15

FASEB MARC travel fellow deadline October 15

Early registration & housing deadline November 9

PSB 2011 (<http://psb.stanford.edu>) January 3-7, 2011

Paper submissions due July 12

Travel award application deadline September 27

Poster abstract deadline November 29

CSHALS 2011 (www.iscb.org/cshals2011) February 23-25, 2011

Oral presentation abstracts deadline October 15

Poster abstract deadline January 7, 2011

Early registration deadline January 21, 2011

ISMB/ECCB 2011 (www.iscb.org/ismbeccb2011) July 17-19, 2011

Special Sessions proposal deadline October 22

Special Interest Group proposal deadline November 19

Tutorial proposal deadline December 3

Proceedings track submission deadline January 14, 2011

Workshops track submission deadline February 11, 2011

Highlights track submission deadline March 4, 2011

Late Breaking Research track deadline March 11, 2011

Poster submission deadline March 18, 2011

Art and Science Exhibition deadline April 15, 2011

Technology track submission deadline April 29, 2011

Early registration deadline June 3, 2011

SIGs and Student Symposium date July 15, 2011

SIGs and Tutorials date July 16, 2011

Bloggng at ISMB

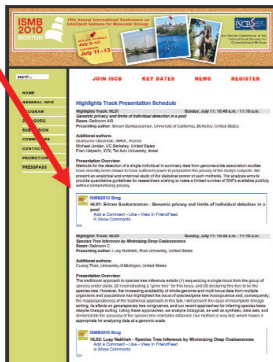
For each talk we have a feed entry under:

<http://friendfeed.com/ismb2010>

The latest feeds can also be found on our home page and in the program section :

www.iscb.org/

www.iscb.org/ismb2010-program



See also the *PLoS Comp. Biol.* articles: <http://tinyurl.com/Lister001> and <http://tinyurl.com/Lister002>



UPCOMING CONFERENCE AND EVENTS

ISCB Annual Conferences

Rocky '10: 8th Annual Rocky Mountain Bioinformatics Conference
United States - CO - Snowmass
Dec 09, 2010 - Dec 11, 2010
ISCB Member Discount: 220 USD
www.iscb.org/rocky10

CSHALS 2011: Conference on Semantics in Healthcare and Life Sciences
United States - MA - Cambridge
Feb 23, 2011 - Feb 25, 2011
ISCB Member Discount: 220 USD
www.iscb.org/cshals2011

ISMB/ECCB 2011
Austria - Vienna
Jul 15, 2011 - Jul 19, 2011
ISCB Member Discount: 220 USD
www.iscb.org/ismbecb2011

ISCB Co-Sponsored Events and Affiliated Events

RECOMB 2010: Fourteenth Annual International Conference on Research in Computational Molecular Biology
Portugal - Lisbon
Hosted By: INESC-ID / Instituto Superior Técnico
Aug 12, 2010 - Aug 15, 2010
ISCB Member Discount: 50 EUR
<http://kdbio.inesc-id.pt/recomb2010>

InCoB 2010: Ninth International Conference in Bioinformatics
Japan - Tokyo
Hosted By: Asia-Pacific Bioinformatics Network (APBioNet)
Sep 26, 2010 - Sep 28, 2010
ISCB Member Discount: 2000 JPY
<http://incob.apbionet.org>

ECCB 10: 9th European Conference on Computational Biology
Belgium - Ghent
Sep 26, 2010 - Sep 29, 2010
ISCB Member Discount: 100 EUR
www.eccb10.org

Bio-IT World Europe 2010
Hannover - Germany
In conjunction with Biotechnica 2010
Oct 05 - Oct 07, 2010
Early Registration Discount: 250 EUR
www.bio-itworldexpoeurope.com

PSB 2011: Pacific Symposium on Biocomputing
United States - HI - Kohala Coast
Jan 03, 2011 - Jan 07, 2011
ISCB Member Discount: 50 USD
<http://psb.stanford.edu>

TBI: Summit on Transitional Bioinformatics
United States - CA - San Francisco
Hosted By: AMIA-American Medical Informatics Association
Mar 07 - Mar 09, 2011
ISCB Member Discount: TBA
<http://jointsummits2011.amia.org>

Bio-IT World Conference and Expo 2011
Boston - MA - USA
Hosted By: Cambridge Healthtech Institute
Apr 12 - Apr 14, 2011
ISCB Member Discount: 10%
www.bio-itworldexpoeurope.com

Other Conferences and Events of Interest

3rd Bioinformatics Stem Cells Satellite Workshop
Germany - Dresden
Hosted By: BioTec / DFG SPP 1356
Jul 15, 2010 - Jul 15, 2010
<http://project.informatik.uni-osnabrueck.de/stecell-bioinformatics>

Immunoinformatics and Computational Immunology Workshop (ICIW 2010)
United States - NY - Niagara Falls
In conjunction with the ACM International Conference on Bioinformatics and Computational Biology (ACM-BCB)
Aug 02, 2010 - Aug 02, 2010
<http://ailab.cs.iastate.edu/icw2010>

Joint User-Training Workshop: Developing Multi-Scale, Multi-Cell Developmental and Biomedical Simulations with CompuCell3D and SBW
United States - IN - Bloomington
Hosted By: Biocomplexity Institute, Indiana University
Aug 02, 2010 - Aug 13, 2010
<http://biocomplexity.indiana.edu/events/ws.php>

International Conference on Intelligent Computing
China - Hunan - Changsha
Hosted By: Intelligent Computing Lab, Hefei Institute of Intelligent Machines, Chinese Academy of Sciences
Aug 18, 2010 - Aug 21, 2010
www.ic-ic.org/2010/index.htm
Aug 25, 2010 - Aug 27, 2010
www.chalmers.se/cse/dils2010/

UPCOMING EVENTS AND CONFERENCES



Other Conferences and Events of Interest (continued)

DILS 2010: Data Integration in the Life Sciences
Sweden - Gothenburg
Hosted By: Chalmers University of Technology and Linköping University
Aug 25, 2010 - Aug 27, 2010
www.chalmers.se/cse/dils2010/

Summer School: Optimization, Machine Learning and Bioinformatics
Italy - Sicily - Erice
Hosted By: Pierre Baldi, Soren Brunak, Raffaele Cerulli, and Roberto Tagliaferri
Sep 08, 2010 - Sep 16, 2010
www.graphalgorithms.it/Erice2010

GFST Symposium: RNA in Motion
United States - IA - Ames
Hosted By: GFST
Sep 09, 2010 - Sep 12, 2010
www.bb.iastate.edu/~gfst/homepg.html

Genomics Automation Europe
Ireland - Dublin
Hosted By: Select Biosciences Ltd
Sep 14, 2010 - Sep 15, 2010
www.selectbiosciences.com/conferences/GAE2010/

Frontiers of Multidisciplinary Research: Mathematics, Engineering and Biology
United Kingdom - Exeter
Hosted By: University of Exeter
Sep 21, 2010 - Sep 24, 2010
www.exeter.ac.uk/frontiers

5th IAPR International Conference on Pattern Recognition in Bioinformatics (PRIB-2010)
Netherlands - Nijmegen
Hosted By: Radboud University Nijmegen
Sep 22, 2010 - Sep 24, 2010
www.prib2010.org/

CMSB 2010
Italy - TN - Trento
Hosted By: The Microsoft Research - University of Trento Centre for Computational and Systems Biology
Sep 29, 2010 - Oct 01, 2010
www.cosbi.eu/cmsb2010/

HiBi 2010: 2nd International Workshop on High Performance Computational Systems Biology
Netherlands - Enschede
Hosted By: University of Twente
Sep 30, 2010 - Oct 01, 2010
www.cosbi.eu/hibi2010/

ICCMSE 2010, Symposium on Computational Biology and Medicine
Greece - Psalidi, Island of Kos
Hosted By: Prof. T. E. Simos
Oct 03, 2010 - Oct 08, 2010
www.iccmse.org

Eighth Annual RECOMB Satellite Meeting on Comparative Genomics
Canada - Ontario - Ottawa
Hosted By: University of Ottawa
Oct 09, 2010 - Oct 11, 2010
<http://recombcg.uottawa.ca/recombcg2010/>

ICSB 2010: 10th International Conference on Systems Biology
United Kingdom - Scotland - Edinburgh
Hosted By: University of Edinburgh
Oct 10, 2010 - Oct 15, 2010
www.icsb-2010.net/

BIOT 2010: 7th Annual Biotechnology and Bioinformatics Symposium
United States - LA - Lafayette
Hosted By: University of Louisiana
Oct 14, 2010 - Oct 15, 2010
www.biotconf.org/

Cell Behavior Ontology and Standards for Multicellular Model Specification Workshop
United Kingdom - Scotland - Edinburgh
Hosted By: University of Edinburgh
Oct 15, 2010 - Oct 16, 2010
<http://biocomplexity.indiana.edu/events/ws.php>

Jornadas de Bioinformática 2010
Spain - Málaga - Torremolinos
Hosted By: University of Malaga
Oct 27, 2010 - Oct 29, 2010
www.jbi2010.es

ICDM Workshop: Biological Data Mining and its Applications in Healthcare
Australia - Sydney
In conjunction with the 10th IEEE International Conference on Data Mining (ICDM 2010)
Dec 14, 2010 - Dec 14, 2010
www1.i2r.a-star.edu.sg/~xlli/BioDM.html

International Conference on SYNTHETIC BIOLOGY - "Bottom-up, Top-down and Cell-free Approaches, Intellectual Property Issues"
France - EVRY
Hosted By: Genopole®, EVRY, France
Dec 15, 2010 - Dec 16, 2010
<http://syntheticbiology2010.genopole.fr>

10th IEEE International Workshop on High Performance Computational Biology
United States - Alaska - Anchorage
Hosted By: IEEE
May 16, 2011 - May 16, 2011
www.hicomb.org

While ISCB provides for news, conference and event listings that may be of interest to members and bioinformaticians at large, ISCB is not responsible for the content provided by outside sources. Such listings are not meant as an endorsement by ISCB.

Cover Image:

Fourth of July Fireworks in Boston.

How are We Doing?

Please email ISCB at admin@iscb.org with any comments, questions, or concerns regarding the website (www.iscb.org), this newsletter, or any other ISCB effort. The ISCB staff aims to meet the needs of ISCB's membership — member advice helps in meeting this objective.

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