

The AP* Retreat, Jakarta, Sept. 6, 2015

Report on APBioNet Asia-Pacific Bioinformatics Network

Jon Lau
on behalf of
Asia Pacific Bioinformatics Network



The Asia Pacific Bioinformatics Network

Endorsed By    

About APBionet (apbionet.org)

- Oldest and geographically most extensive regional bioinformatics society
- Founded to encourage, support and extend computational biology for translational research
- Primarily aimed at the infusing bioinformatics into life science research
- Provide a forum for networking

About APBioNet: 17 years old

- www.apbionet.org started in 1998!
- Incorporated as a legal entity in 2012
- **APBioNet – transforming bioinformatics in the Asia-Pacific region.** Khan AM, Tan TW, Schönbach C, Ranganathan S. PLoS Comput Biol. 2013 Oct;9(10):e1003317.

APBioNet Historical Milestones (selected)

- 1997: Bioinformatics survey of the region
- 1998: First Meeting at PSB Hawaii
- 1998: Endorsement by APEC TEL; APBioNet as first project of APAN
- 1999: APAN-APBioNet BioMirrors Project
- 2000: Involvement in S* Alliance; outreach start to Malaysia, Thailand, Brunei
- 2002: InCoB conference series
- 2003: IDRC Grant for BioGrid software
- 2004: APBioKnoppix; later BioSlax (2006)
- 2004: ASEAN-China Bioinformatics Workshop
- 2005: Affiliation with ISCB; ASEAN-India Cooperation; KOBIC cooperation
- 2006: InCoB Conference publishes in BMC Bioinformatics; outreach to Cambodia; Saudi Arabia; Pakistan; Vietnam
- 2007: IDRC grant for P2P dissemination of biomirror datasets; CanalAVIST project
- 2008: 2nd ASEAN-China; 3rd East Asia Bioinformation Network; 7th InCoB; BioSlax Server version; Dialogue with EMBnet.
- 2009: Formation of Asian Bioinformation Centers with A-IMBN
- 2010: InCoB 2010 conference in Tokyo
- 2011: InCoB/ISCB-Asia Joint Conference 2011 in Kuala Lumpur
- 2012: InCoB 2012 in home origin Bangkok, celebrating a decade run
- 2013: InCoB 2013 in Taicang, China
- 2014: InCoB 2014 in Sydney, Australia
- 2015: GIW/InCoB 2015 in Tokyo, Japan

Transformation in past 15 years

- Build on Networks
- Build Database Resources
- Build Computational Services
- Develop training software
- Hold training courses
- Coordinate and organise conferences, workshops, meetings
- Inject bioinformatics into curriculum
- Publication of special journal issues in more than 3 different journals
- Policy meetings at governmental and intergovernmental level
- Reported in 2009/2010; all the following in progress
- Minimum Information about a Bioinformatics Investigation (MIABI proposed standard)
- BioDB100 initiative: 100 miabi-compliant integrated databases
- Partnership with International Society for Biocuration
- AuthorID, DocID data deposition
- EUAsiaGrid 1 Project
- etc
- etc

Institutional Support



- ASEAN
- ASEAN Dialogue Partners – China, India
- KOBIC
- ISCB
- FAOBMB
- IUBMB
- UNESCO
- Many universities
- Many national bioinformatics societies



2002: Bangkok, Thailand
2003: Penang, Malaysia
2004: Auckland, New Zealand
2005: Busan, South Korea
2006: New Delhi, India
2007: Hong Kong
and Vietnam by video link
2008: Taipei, Taiwan
2009: Singapore
2010: Tokyo, Japan
2011: Kuala Lumpur, Malaysia
co-located with ISCB-Asia
2012: Bangkok, Thailand
2013: Taicang, China
2014: Sydney, Australia
satellite of 18th IUPAB
2015: Tokyo, Japan
2016: Singapore

InCoB

International Conference on Bioinformatics



*Connecting the Bioinformatics
Community in the Region*

International Conference on Bioinformatics (InCoB)

31st July -
2nd August
2014



incob2014.org

NOVOTEL SYDNEY BRIGHTON BEACH, SYDNEY NSW

<http://incob2014.org>

Keynotes (incl. Nobel Laureates)

Invited Plenary Speakers

Discussion Forums

Research talks

Workshops

Posters

CU@InCoB2014

Meet peers
Hear experts

Present your work

Publish your research

Interact with Bioinformaticians

13th Annual Conference of the Asia-Pacific Bioinformatics Network: Fostering bioinformatics in the Asia-Pacific region

Satellite meeting to IUPAB2014 Congress (iupab2014.org)



MACQUARIE
UNIVERSITY
SYDNEY ~ AUSTRALIA



Trade &
Investment



GIW / InCoB 2015

Sept. 9-11, 2015, Odaiba, Tokyo

Gil Ast
Tel Aviv
University



Join us for the first joint conference between GIW and InCoB, the two premier bioinformatics conferences in Asia with a combined 40 years of history. GIW/InCoB 2015 will be held in a science museum known as [MIRAIKAN \(未来館\)](#) in the convenient and attractive [Odaiba waterfront area](#) of Tokyo, Japan. After a highly successful collaboration between GIW and ISCB for [GIW/ISCB-Asia 2014](#) also held on Odaiba, and [InCoB 2014](#) in Australia; [APBioNET](#) and the [Japanese Society for Bioinformatics](#) have teamed up to organize this years conference.

Keynotes

Invited Plenary Speakers

Discussion Forums

Research talks

Workshops

Posters

Meet peers
Hear experts

Present your work

Publish your research

Interact with Bioinformaticians

APBioNet Membership & Benefits

- To sustain and streamline operations as well as to improve conference and educational activities a modest annual membership fee structure is proposed
- General Benefits
 - Eligibility to apply for APBioNet Travel Fellowships and ISCB Travel Fellowships
 - Discounts at APBioNet events
 - Eligibility to represent APBioNet at key meetings and events
 - Mailing Lists
 - APBioNet Book Publication Discounts

BTN/GOBLET meeting

Wednesday, November 28, 2012



APBioNet at BTN/GOBLET meeting

Amsterdam,
November 28, 2012
Bruno Gaeta (VP Education)

facilitate capacity development

- Champion: Erik (SGBC, SeqAhead). Members: Cath Brooksbank (EBI), Nicky (ASBCB), Pedro (IGC), Eija (CSC), Bruno (APBioNet)

iii) develop standards & guidelines

Action/tasks:

- Members: Cath (EBI), Nicky (ASBCB), Pedro (IGC), Celia (NBIC), Eija (CSC), Fran (ISCB), Erik (SGBC, SeqAhead), Bruno (APBioNet), Vicky (TGAC), Patricia (SIB).

vi) foster the international community of B3CB trainers

- Virtualisation task-force. Champion: Michelle (bioinformatics.ca) (Members: Bruno (APBioNet), Pedro (IGC))

- Technical training for everyone
- Bringing bioinformatics activities to the high school audience
- Mapping out global bioinformatics needs and resources
- Accreditation of bioinformatics trainers

APBioNet at GOBLET AGM 2014 meeting

Toronto, Ontario

November 14-16, 2014

Tan Tin Wee (Director / Gen. Sec.)

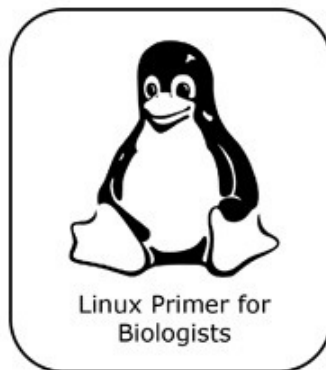
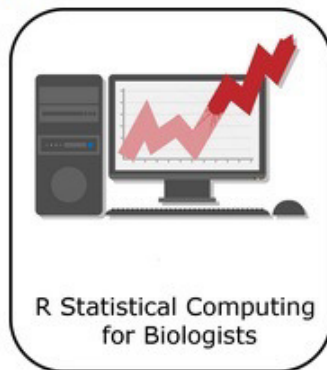
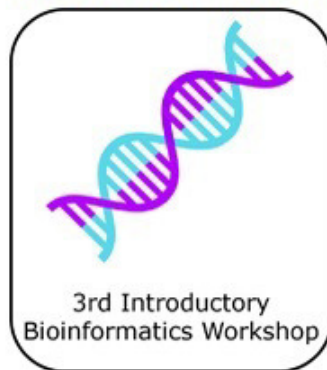


MoU signed with Perdana University, Malaysia

- Hosting APBioNet Secretariat
- Joint Workshop Series 2015



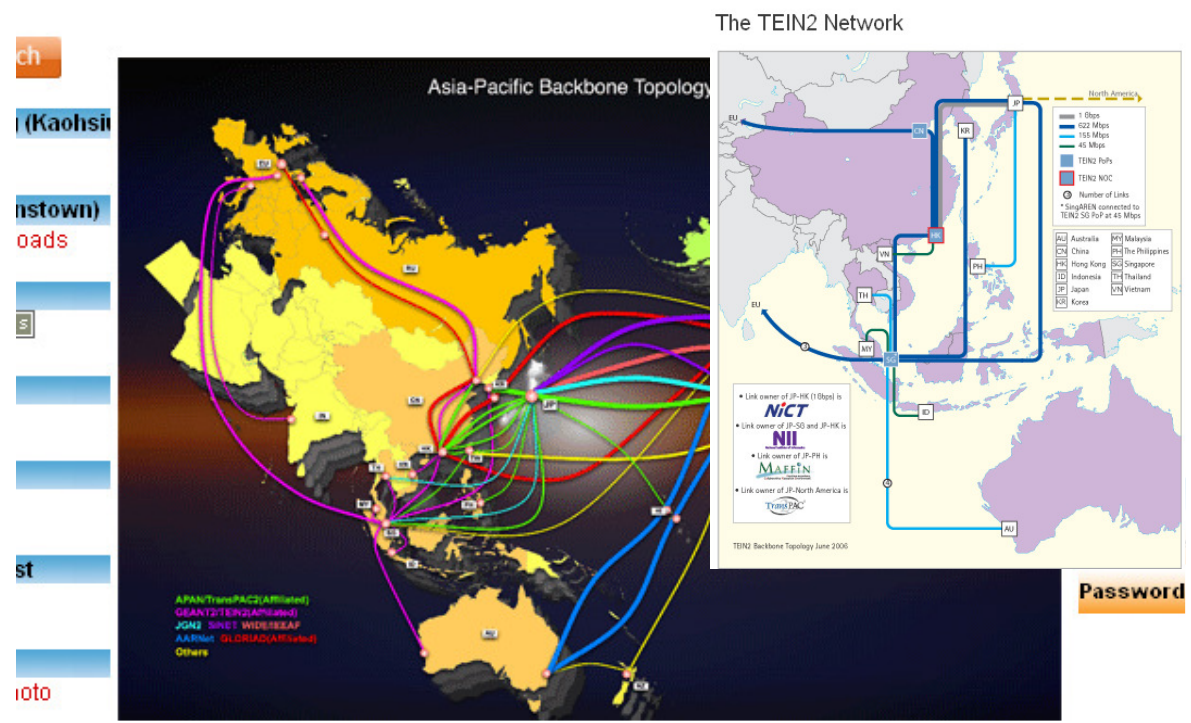
WORKSHOPS OFFERED



Network

Participation in APAN TEIN2/3 and national RENs

- 1997 Singapore Research & Education Network (SINGAREN)
- Today every country has NREN of some kind or plans for one
- Bioinformatics is a big user



Password

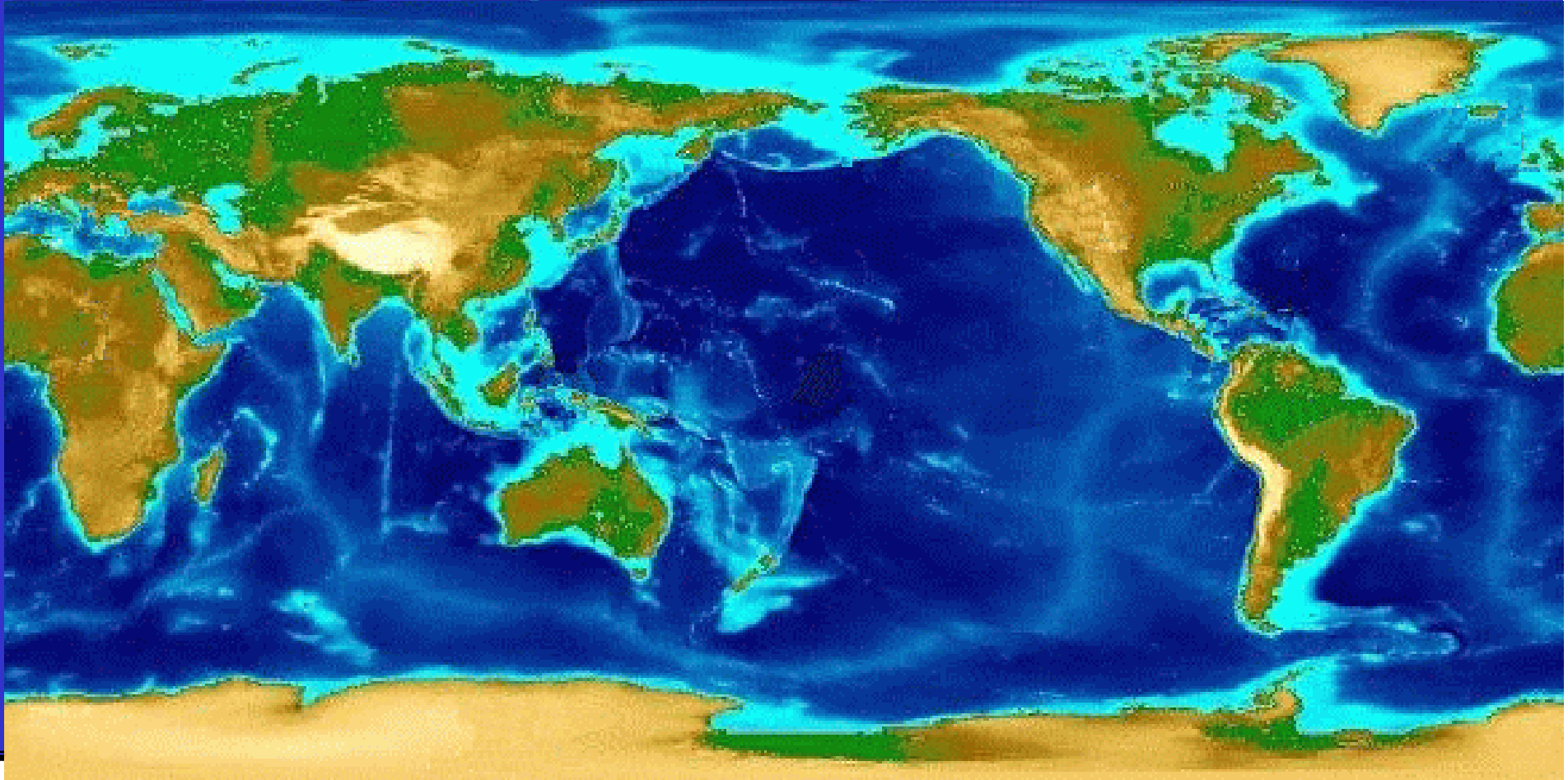
Collaboration with APBioNet

- We need **10 Terabytes** of disk space on grid or cloud to host MIABi/BioDB100 initiative
- We need **full hardware virtualisation platforms for our BioSlaxCloud version** for instantiation-on-demand of bioinformatics databases
- We need partners who will offer to **build interfaces** of bioinformatics grid applications and **integrate them in workflow** management systems

Please contact tinwee@bic.nus.edu.sg if you are interested. Thank you!

Feedback from you

- Join APBionet: <http://www.apbionet.org>
- Suggestions/comments to: sec@apbionet.org



Fostering Bioinformatics in the Asia-Pacific Region