

# CONNECT

August 2014, Vol.

“Success is the sum of small efforts, repeated day in and day out” ~ Robert Collier.

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We sincerely hope that you would find this edition much more informative and the RSG-India intent of academic excellence motivates you for all your current and future endeavors!

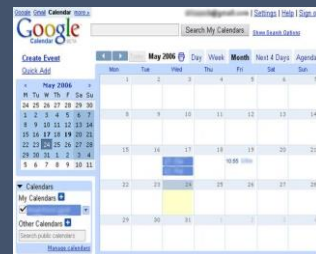
RSG-India is glad to present before you the First edition of ‘CONNECT’. First, we give you a foretaste of ‘Google Calendar’ in the Initiatives section. We also focus on the regular sections, ‘Top 10 posts on the Message Board’ and ‘Topic of the Month (TOTM) – SNPs-Single Nucleotide Polymorphisms’. Further, with the flourishing progression of the section titled ‘BIO-Innovation’, we include the link to a large number of Bioinformatics databases, called ‘Online Bioinformatics Resource Collection (ORBC)’. Lastly, we give you an update of the latest session held at CBDG-VIT. We also introduce a link to our Google Calendar Service at the bottom right corner of the newsletter.

## RSG-India's Initiatives – Spanning our wings...



We have spoken about several initiatives of RSG-India including conferences, workshops and collaborations in the earlier issues of ‘CONNECT’. In this issue, we throw light upon one of our significant, yet unpopular online initiative, the RSG-India Google Calendar.

Google Calendar is a free time-management web application offered by Google. Events and tasks can be added to the calendar with dates, venue, deadlines and other related fields. Reminders can be configured to be sent at a time via e-mails, pop-ups and also as a SMS. Apart from this, invitations can also be sent to friends about personal events. Events can also be imported from Microsoft Outlook, etc. or synchronized with public calendars.



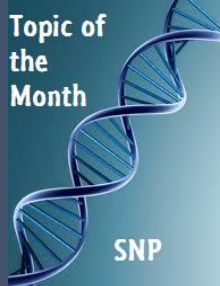
RSG-India Google Calendar is associated with our group since the past 2 years. It is updated daily by the core committee and all information pertaining to upcoming conferences, presentations and their respective deadlines for the submission of abstracts or papers. This is a more easy way to browse through events of interest rather than reading tons of mails/ browse websites daily. You may subscribe to RSG-India Google Calendar service by following the steps illustrated at the following link: <http://tinyurl.com/6cr9teh>

will be continued ...

## TOP 10 POSTS ON THE MESSAGE BOARD

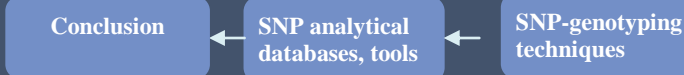
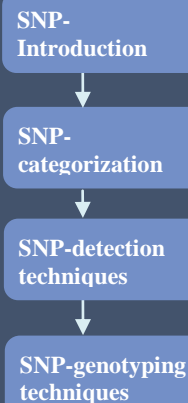
1. Opening: PostDoc position in research assistant in genetics at RVC, Camden, North London.
2. Opening: PhD position in system biology at Oregon State University.
3. Opening: PostDoc position at Japanese society of Bioinformatics.
4. Conference: bioinformatics and Biomedicine (BIBM) 2014 IEEE conference at Belfast, UK
5. Conference: International conference on Bioinformatics model, method & algorithm at Lisbon, Portugal.

6. Conference: Australian bioinformatics conference (ABic) 2014 at Melbourne Australia.
7. Opportunity: Authoring bioinformatics book.
8. Opportunity: Senior software engineer bioinformatics at Thermo Fisher Scientific lab, Bangalore.
9. Opportunity: NGS research and marketing.
10. Article: Critical issue in bioinformatics and computing.



## SNPs-Single Nucleotide Polymorphisms

SNPs- Single Nucleotide Polymorphisms are mutations in single nucleotide, resulting in variation. These mutations act as bio-markers which can act as important tools and a roadmap to creation of personalized medicine. Please click on the elements to view the corresponding discussion.



## CompBio Discussion Group (CBDG) – Updates

The latest CBDG session at SIT, Tumkur focused on the topic of discussion on ‘An Appeal towards the Drug Discovery’. The session was held in BTFS Lab, SIT, and taken by Vinay Kumar P.

The discussion started off with an introduction to conventional but tedious method used in Drug Development and how Bioinformatics can play an important role in its effective advancement. Further, docking and developments in drug discovery process were talked about. The session concluded with an overview of various servers and tools used in the research.

## BIO-Innovation – Velvet

Velvet is a denovo genomic assembler specially designed for short read sequencing technologies. It takes in short read sequences, remove errors then produces high quality unique contigs. It then used paired ends read and long read information when available, to retrieve the repeated areas between contigs. The Columbus module within Velvet now allows the assembly process to be assisted by alignment information onto a set of reference sequences.

EMBL-EBI

Velvet

Sequence assembler for very short reads

