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Note to Readers...

After the triumphant launch of the second edition, RSG-India gladly presents before you the third volume of 'CONNECT'. The first two editions helped us connect very well with our members. In this issue, we give you a glimpse of the conferences in India that RSG-India was influential at. Besides that, we have the regular sections, 'Top 10 posts on the Message Board' and 'Topic of the month (TOTM)' – Database Development. The newer section 'BIO-Innovation', features a novel MSA visualization tool called the BBB editor. Last but not least, we update you regarding the latest session at CBDG-VIT.

We hope you find this edition engrossing, profit from the activities that RSG-India is involved in and reap intangible benefits by being an active member!

## RSG-India's Initiatives – A stroll down memory lane ...

In October's issue of 'CONNECT', we briefed you about RSG-India's international & national collaborations. In this volume, we highlight the conferences held in the Indian subcontinent, at which RSG-India made an impact at.



- ✓ At the 'Conference on Coalescence of Computer Science and Biotechnology (CCSB)', organized by Andhra University in February 2009, RSG-India representatives were invited to interact with students participating in the conference.
- ✓ Another event, 'A National Seminar on Bioinformatics Application in Medical Sciences (NSBAMS)', was organized by SRM University, Chennai in March 2009. It was attended by over 5000 students, and was a good occasion to introduce them to RSG-India and its activities.



## Timeline - RSG-India at National Conferences



2008

2009

... will be continued ...

## TOP 10 POSTS ON THE MESSAGE BOARD

1. ARTICLE - Meet and Greet
2. CONFERENCE(International) - COMPBIO 2011
3. RESOURCE - RSG-India Resources
4. QUERY - Regarding difference between beta turns and gamma turns
5. ANNOUNCEMENT - RSG-India - IBAB Collaboration

6. Research Fellowships - Regional Centre for Biotechnology
7. ANNOUNCEMENT - Leadership transition at RSG-India
8. OPENING - Ensembl Genebuild Team Project Leader
9. OPENING - PhD Position in Bioinformatics 2011 at IMPRS CBSC Berlin, Germany
10. SCHOLARSHIP OF THE MONTH - DR MANMOHAN SINGH SCHOLARSHIPS 2011



## Database Development

Last month, we had an informative discussion on 'OSDD – Phase II'. 'Database Development' was the TOTM for November. The flowchart depicts the flow of the discussion. Click on the elements to view the corresponding discussion.

DB - Introduction

DB Development

DB Architecture

Sub-languages

Conclusion

Examples

DB Models

## CompBio Discussion Group (CBDG) – Updates

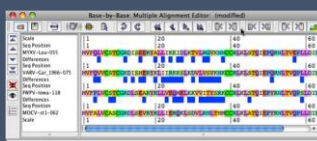
The last CBDG session at VIT was on 'Cloud Computing', conducted by Abhishek Rath, a fourth year B.Tech Bioinformatics student.

The session gathered a good number of enthusiastic students. It began with a mention of the emerging trends in the industry and covered interesting facts on 'Cloud Computing' – features, problems and further research areas.

Apart from a lucid PPT, few interesting videos on 'Cloud Computing' were shown, which made the session very interactive.

## 'BIO – Innovation' - Base-By-Base Editor

Owing to viral biologists, a multiple sequence alignment editor called the Base-By-Base (BBB) editor has been developed. It is a Java based, platform independent editor. It uses a unique system to display differences between sequences in a MSA that makes it easier to spot mis-aligned regions that need corrections. It is used for proteins & gene sequences (up to 500 kb). The sequence annotation can be obtained in any viable sequence formats.



<http://tinyurl.com/34fhp74>