

**392233 Genome-wide biological Network Modeling and Analysis (BS) (SS 2012) (Chen)**

With the support of high-throughput technologies and advanced tools, more and more achievements of large-scale biological network models have come out in recent years.

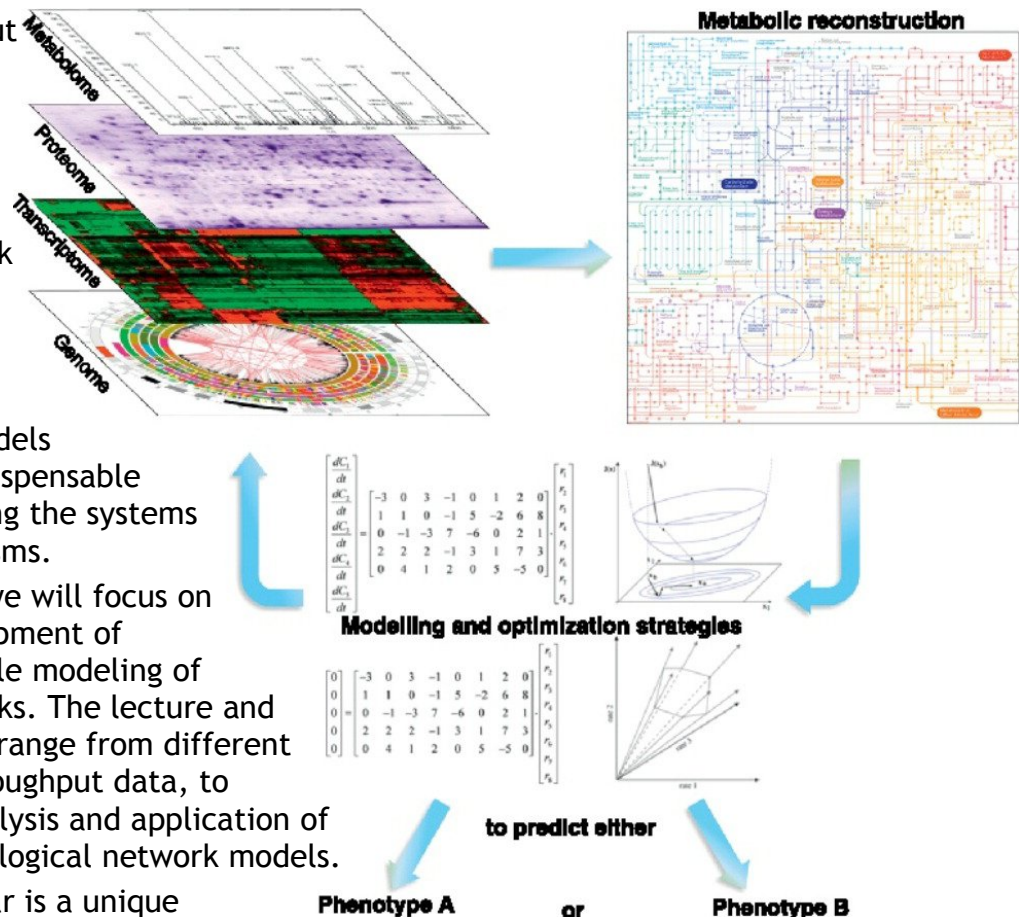
It is clear that genome-wide models have become indispensable means for studying the systems biology of organisms.

In this seminar, we will focus on the latest development of genome-wide scale modeling of biological networks. The lecture and discussion topics range from different types of high-throughput data, to construction, analysis and application of genome-scale biological network models.

This block seminar is a unique possibility to gain new insights into this research area and it will take place during two weeks from 02.07. to 15.07.2012. The lectures for this class will be in English.

**The Lecturer**

This block seminar will be held by Prof. Ming Chen who leads the Department of Bioinformatics at the Zhejiang University of Hangzhou (P.R.China) since 2006. Two years earlier he finished his PhD studies in Bielefeld in the group of Prof. Ralf Hofestädt. His publications cover a wide range of Bioinformatics research, ranging from plant systems biology, biological data integration and visualization, biomedical informatics to synthetic biology.



Studiengang/-angebot	Gültigkeit	Variante	Untergliederung	Status	Sem.	LP	
Bioinformatik und Genomforschung / Master			Individueller Ergänzungs	Wahl	2.	2	
Medieninformatik und Gestaltung / Bachelor	(Einschreibung bis SS 2011)		Wahlpflicht MedInform I; Wahlpflicht MedInform II	Wahlpflicht		2	benotet
Medienwissenschaft, interdisziplinäre / Master			Hauptmodul 4	Wahlpflicht		2	
Molekulare Biotechnologie / Master			Spezialisierung Biologie/Bio	Wahlpflicht		2	
Molekulare Biotechnologie / Master			Individuelle Ergänzung	Wahl	2.	2	benotet
Naturwissenschaftliche Informatik / Master			Individuelle Ergänzung	Wahl		2	
Naturwissenschaftliche Informatik / Master			Vertiefung Informatik I	Wahlpflicht	2.		

This seminar is also compatible to the new module *Interdisciplinary Cell Visualization*.

**First Meeting: Monday, 02.07.2012, 14:00 Uhr c.t., Room D5-113**

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