

the 2013 Systems Biology and Traditional Chinese Medicine Graduate Summer School

Introduction

The 2013 Systems Biology and Traditional Chinese Medicine Graduate Summer School is a special project being run at the Traditional Chinese Medicine Field Innovation Center in Jiangsu Province, China. The project is receiving significant support from the China and Jiangsu Province Education Department and is being jointly organized by the Nanjing University of Chinese Medicine Graduate School, The Key Laboratory of Acupuncture and Medicine Research of Minister of Education Nanjing University of Chinese Medicine, and the Priority Academic Program Development (PAPD) of Jiangsu Higher Education Institutions.

The summer school will include lectures from prominent experts, professors and scholars in the fields of bioscience, systems biology, TCM and related medical fields from the United States National Institutes of Health (NIH) as well as lectures from top college and university professors around China. The summer school is an invaluable opportunity for graduate students to broaden their horizons, share ideas and exchange academic ideas in the fields of systems biology and TCM with experts from home and abroad. The summer school aims to provide a platform for furthering research, academic exchange and cooperation.

The summer school welcomes applications from graduate students of biomedical graduate institutions.

2013年“系统生物学与中医药”全国研究生 暑期学校简介

2013年“系统生物学与中医药”全国研究生暑期学校，作为江苏省中医药领域创新中心的特色项目，得到了国家留学基金委以及江苏省教育厅的大力支持。本次暑期学校由南京中医药大学、南京中医药大学研究生院、省部共建针药结合重点实验室、江苏省中医学、中西医结合优势学科、南京中医药大学科学技术处共同承办。本次暑期学校聘请了美国国立卫生研究院（NIH）以及一批国内一流高校的相关领域著名的！家学”，# \$为%大研究生&'一（）*学术+，，-与学术.流的/O，实1国内2科学34领域的56.7，89%大研究生的创新：；，<=中医学科的9>，为？领域的@ABC&'学D.流合作EF。为=-G&高研究生\$创新研究中的：H.流，>I全国J校研究生的KL，暑期学校MN全国J生物医药O研究生BCPQRS学T。

Nanjing University of Chinese Medicine Summer School (NJUCMSS)

Calendar

(Jul 7, 2013—Jul 13, 2013)

| | | |
|--------------|----------|--------------------|
| Jul 7, 2013 | 8: 00 am | Registration |
| Jul 8, 2013 | 8: 00 am | Welcome remarks |
| | 9:00 am | Keynote lecture 1 |
| | 14:00 pm | Keynote lecture 2 |
| | 19:00 pm | Banquet |
| Jul 9, 2013 | 9:00 am | Keynote lecture 3 |
| | 14:00 pm | Keynote lecture 4 |
| | 19:00 pm | Journal club |
| Jul 10, 2013 | 9:00 am | Keynote lecture 5 |
| | 14:00 pm | Keynote lecture 6 |
| | 19:00 pm | Journal club |
| Jul 11, 2013 | 9:00 am | Keynote lecture 7 |
| | 14:00 pm | Keynote lecture 8 |
| | 19:00 pm | Journal club |
| Jul 12, 2013 | 9:00 am | Keynote lecture 9 |
| | 14:00 pm | Keynote lecture 10 |
| | 19:00 pm | |
| Jul 13, 2013 | 9:00 am | Keynote lecture 11 |
| | 14:00 pm | Outward bound |
| | 15:00 pm | Party |

Summer School Schedule

| Date \ time | 9:00—12:00 am | 14:00-17:00 pm | 19:00-20:30 pm (Journal Club) |
|--------------|---------------------|-------------------|------------------------------------|
| Jul 8, 2013 | Lothar Hennighausen | Jun Zhu | |
| Jul 9, 2013 | Y.James Kang | Haian Fu | Lothar Hennighausen, Haian Fu |
| Jul 10, 2013 | Hongbin Shen | Fanrong Liang | Gertraud Robinson, Bin Yan |
| Jul 11, 2013 | Baoyan Liu | Gertraud Robinson | Gertraud Robinson, Bin Yan |
| Jul 12, 2013 | Bin Yan | Shao Li | |
| Jul 13, 2013 | Jinao Duan | | |

Location:

Welcome remarks and keynote lecture sessions: Lecture Hall, 1/F, Fengsheng Building

Journal club sessions: ConferenceRoom, 1/F, Fengsheng Building

Outdoor bound and party sessions:Gymnasium

NJUCMSS Program

Welcome Remarks

Time: Jul 8, 2013---8:00 am

location:

Chairman: Jinao Duan (Nanjing University of Chinese Medicine)

Leaders oration:

Mianhua Wu (Nanjing University of Chinese Medicine) 10min

Guest speech: **Dr. Lothar Hennighausen** 10 min

Dr. Haian Fu10min

Keynote Lecture 1&2

Jul 8, 2013--9:00 am

Introduced by

Dr. Bingmei Zhu(Nanjing University of Chinese Medicine)

Speaker: **LotharHennighausen**

Topic: **Studying Epigenetic Control Mechanisms Through the Use of Mouse Genetics**

Jul 8, 2013---14:00 pm

Introduced by

Dr. Xu Zhang(Nanjing University of Chinese Medicine)

Speaker: **Jun Zhu**(Zhejiang University)

Topic: **Dissecting Epistasis and GxE for Human Complex Diseases by GWAS**

Keynote Lecture 3&4

Jul 9, 2013--9:00 am

Introduced by

Dr. Bingmei Zhu

Speaker: **Y. James Kang** (Sichuan University)

Topic: **Herbogenomics in the understanding of efficacy and safety of traditional**

Chinese medicine

Jul 9, 2013--14:00 pm

Introduced by

Dr. Xu Zhang

Speaker: **Haian Fu**

(Director of the Emory Chemical Biology Discovery Center Emory University)

Topic: **Cancer Genomics to Therapeutic Targets:A Systems Biology View for Chinese Medicine**

Journal Club 1

Jul 9, 2013---19:00 pm

Chairpersons: **Lothar Hennighausen and Haian Fu**

Keynote Lecture 5&6

Jul 10, 2013----9:00 am

Introduced by

Jinao Duan (Nanjing University of Chinese Medicine)

Speaker: **Hongbin Shen**(Nanjing Medical University)

Topic: **Genomics and Translational Medicine**

Jul 10, 2013---14:00 pm

Introduced by

Jinao Duan

Speaker: **Fanrong Liang**(Chengdu University of TCM)

Topic: **The Development Status and Trends of Chinese Medicine Research**

Journal Club2

Jul 10, 2013----19:00 pm

Chairpersons: **Gertraud Robinson and Bin Yan**

Keynote Lecture7&8

Jul 11, 2013--9:00 am

Introduced by

Dr.Jinao Duan

Speaker: **Baoyan Liu** (China Acad() Tc (s) Tj0.24 Tc (02 Tf-199.92 697.0.12 TcM() Tc (s) Tj0.24
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Jul 12, 2013-----14:00 pm

Introduced by

Dr. Xu Zhang

Speaker:**Shao Li**(Tsinghua University)

Topic: **Network pharmacology, system biology and the modernization of TCM**

Keynote Lecture11

Jul 13, 2013--9:00 am

Introduced by

Dr. Xu Zhang

Speaker: **Jinao Duan** (Nanjing University of Chinese Medicine)

Topic: TBD

南京中医药大学“系统生物学与中医药”暑期学校日程表
(2013.07.07—2013.07.13)

| | | |
|------------|----------|--------------|
| 2013.07.07 | 8: 00 am | 学生报到 |
| 2013.07.08 | 8: 00 am | 开幕式 |
| | 9:00 am | 主题报告1 |
| | 14:00 pm | 主题报告2 |
| | 19:00 pm | 欢迎晚宴 |
| 2013.07.09 | 9:00 am | 主题报告3 |
| | 14:00 pm | 主题报告4 |
| | 19:00 pm | Journal club |
| 2013.07.10 | 9:00 am | 主题报告5 |
| | 14:00 pm | 主题报告6 |
| | 19:00 pm | Journal club |
| 2013.07.11 | 9:00 am | 主题报告7 |
| | 14:00 pm | 主题报告8 |
| | 19:00 pm | Journal club |
| 2013.07.12 | 9:00 am | 主题报告9 |
| | 14:00 pm | 主题报告10 |
| | 19:00 pm | |
| 2013.07.13 | 9:00 am | 主题报告11 |
| | 14:00 pm | 素质拓展活动 |
| | 19:00 pm | 联欢活动 |

暑期学校课程表

| 时间 日期 | 上 午 9: 00—12: 00 | 下 午 14: 00-17: 00 | 晚 上 19:00-20:30 (Journal Club) |
|------------|---------------------|----------------------|--------------------------------------|
| 2013.07.08 | Lothar Hennighausen | 朱军 | |
| 2013.07.09 | 康裕建 | Haian Fu | Lothar Hennighausen、 Haian Fu |
| 2013.07.10 | 沈洪兵 | 梁繁荣 | Gertraud Robinson 晏斌 |
| 2013.07.11 | 刘保延 | Gertraud Robinson | Gertraud Robinson 晏斌 |
| 2013.07.12 | 晏斌 | 李梢 | |
| 2013.07.13 | 段金廛 | | |

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南京中医药大学“系统生物学与中医药”

暑期学校课程安排

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Dr. Hai'an Fu 10 J K

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\] &Studying epigenetic control mechanisms through the use of mouse genetics

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\] &Dissecting Epistasis and GxE for Human Complex

Diseases by GWAS

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\] &Herbogenomics in the understanding of efficacy and safety
of traditional Chinese medicine

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8[: & Dr. Haian Fu

(Director of the Emory Chemical Biology Discovery Center
Emory University, Atlanta, GA)

\] &Cancer Genomics to Therapeutic Targets: A systems
biology view for Chinese Medicine

J, Journal Club 1

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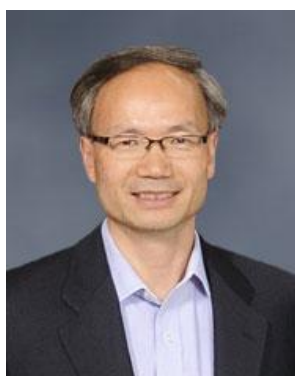
专家介绍

Professor Introduction



@E 教授

Y江大学生物Z [学研究\ \] , 美国^ _
` a b c 立大学统d学e f g学h i j Genomics,
Proteomics & Bioinformatics k l 委、j 生物Z
[学k l 委、j Y江大学学Wk (Science)l 委、
j Y江大学学W(mn与生o科学p)kq r s U l . t u 2010年作
物v w x y基z { Q及| } ~ • 辅助育种方法研究k获高等学校自然
科学奖一等奖 (第一完成@)。



Haian Fu, PhD

Professor of Pharmacology, Hematology &
Medical Oncology;

Director of the Emory Chemical Biology
Discovery Center Emory University, Atlanta,

GA. Dr. Fu' s research focuses on protein-protein interactions
in signal transduction, targeting these interactions for drug
discovery, and collaborating with physician scientists to
translate such bench research to clinical applications.



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清华大学教授、h 导，清华Z [国家实验室生物 Z [学部s U任、国家杰出青年科学基金获得" 。 U要从事网络药理学、生物Z [学与中医药1 代 化研究， \$ 中药网络药理学方法构建与应用、中 医寒热证 | } 网络e 舌苔微生物组等方M取得一些) 拓x 成果。通讯 或第一作" 9 表论文 60 余篇，代表论文两次被 Nature China 作为亮 点W道。



GH建教授

国家首批“千@d划”国家特聘! 家。1 任四 川大学再生医学研究中心U任。美国爱荷华c 立大 学hi ，康裕建教授u 2009 年7 月1 日起\$ 四川 大学再生医学研究中心全职) > 工作，以重建创 伤Z 号系统与修v 心血管功能为重点突破目~ ，解决再生医学中关 键问V, 实1 再生医学\$ 临床的应用。研究方Ne 重点是：微量元素 代谢与心血管疾病9 生e 9 > 的关系；心血管再生基础与转化医学 研究；心血管疾病 ! 创新技术与方法) 9 及应用。



LMN教授

国家杰出青年科学基金获得者”，“新” # \$ 千% @ A 工 & ” 国家' @ ((2006年)， “] 江学” ” 特聘教授，国r院) * 特+， - ! 家。 1 任南京医科大学s校]，南京医科大学. / 中心、江苏省Ox. / 生物~ 1 物与2 重点实验室U任，\$ 疾病3 期45、f g 6 7 x e 转8、9: 的| } ~ 1 等方M取得了；突出的 成<， = > \$ *Nat Genet*、*J Clin Oncol*、*J Clin Invest*、*Am J Respir Crit Care Med*、*Cancer Res*等国? @ 物A 9 表 SCI 论文 150 余篇。



567教授

B 然药物化学hi，南京中医药大学s 校]，hi 生导C。江苏省中药DEFn化 G&H同创新中心U任、江苏省理血方I 创新药物工&中心、江苏省方I 高技术研究重点实验室U任。J 年a K 力u 中药DE 化学、方I L 应物M基础及中药NOPQ研究，作为“973 d划”项目首R科学家S：承T了 20 余项国家e U域x 重大基础研究等科研项目；\$ 国内2 9 表学术论文 SCI S V 130 余篇；获得国家9W! X授Y 30 余Z；获得2011年[国家科技= G \ 等奖 1 项（第一）



VWX

成] 中医药大学s校]，教授，hi 生导C。
 国家重点学科针^ _ ` 学学术ab@，针^ 学国
 家重大基础研究“973”项目首R科学家，K力u
 > c 特dx 等科学问V研究。ef 国r 院特+，
 - ! 家，全国g 部高等中医院校h划教i j 针^ 学kUl 。获四川省
) * 授j 优k 教学成果一等奖一项、\ 等奖一项。\$ 国内2 学术期@
 A9 表学术论文 60 g 篇。



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中国中医科学院首R研究T、qrs院]，
 hi 生导C，973 d划项目“中医l 证论 临床!
 Lmn 基本理论研究”首R科学家。&出了中医
 临床研究以@为o心的“pqr = 研究st e 方
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 成果获得国家科技= G\ 等奖。} 任中国针^ 学OO]，" ~ 针^ 学
 O• 合Os UR，国家中医药管理 临床mn 重点实验室U任。



Gertraud Robinson, Ph.D

Laboratory of Genetics and Physiology ,
DEVELOPMENT & METABOLISM SECTION NIDDK,
National Institutes of Health. Presently, She
is investigating the role of the Jak2/Stat5

pathway in the proliferation and differentiation of secretory epithelial cells and the role of Notch signaling in lineage decisions in mammary epithelium. She collaborate with several researchers performing mammary epithelial transplantations, particularly of anlagen from mutants that do not survive to adulthood. She is also very interested in the development of the embryonic mammary anlage, which is controlled by tissue interactions rather than hormones.



Lothar Hennighausen

Ph.D. LGP LABORATORY OF GENETICS &
PHYSIOLOGY NIDDK, National Institutes of
Heath . research statement: Identify and explore
genetic switches and biochemical pathways that

control organogenesis, with an emphasis on the mammary gland.
Investigate pathways that control oncogenic transformation in
the mammary gland and prostate



de博士

!"#O大学生物系助理教授，美国\$%&c立大学hi。\$美国9年e\$!"2年高'E科研/构工作，\$系统生物学e生物医学Z[学，

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大科研项目。

) × 人# ~ 老师

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