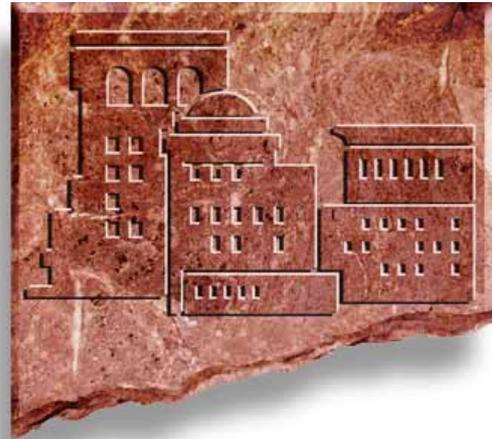


**Sung-Yong H. Yoon, Ph.D.**

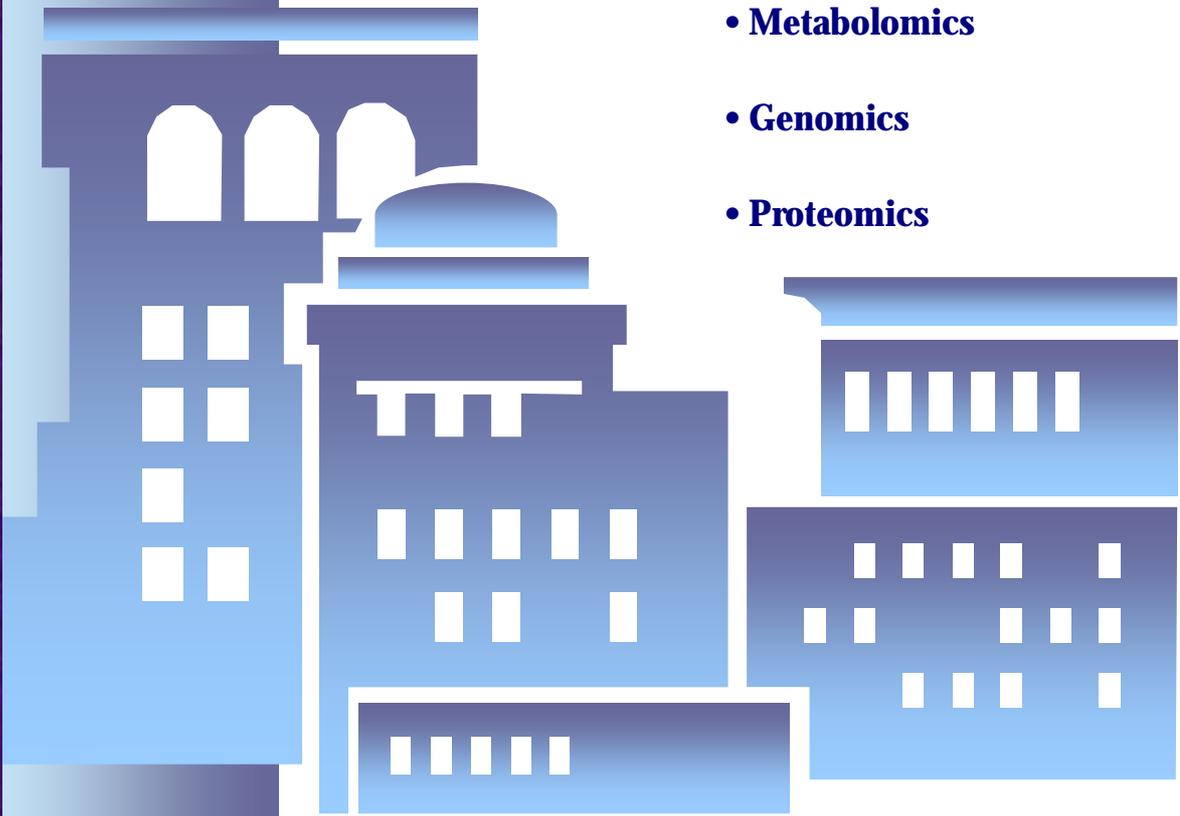
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Tab 2

**IN THIS SECTION:**

- **Plant Secondary Metabolite & Plant Cell Culture**
- **AICHE 2004**
- **Metabolomics**
- **Genomics**
- **Proteomics**



## AIChE 2004

AIChE Meeting Texas Austin  
AIChE National Meeting  
가 가  
11 7 12 6  
가 Food, Pharmaceutical & Bioengineering  
Division Advances in Agricultural and Plant Cell Culture session  
7 가  
Omics가  
가 ,  
가 . 7  
, transcriptomics, proteomics, recombinant protein production monitoring,  
Plant Virus transformation system, transformed hairy root  
Susane Roberts Blacksburg Mike  
Zhang  
Minnesota 故  
Bailey Jacqueline Shanks  
Rice Kai-Yu San  
Catharanthus roseus vinblastine vincristine  
가 가  
NIH NSF fund  
가  
vinblastine vincristine biosynthetic pathway upstream pathway 3  
gene inter-  
metabolite 가 , bottleneck step



mRNA  
 가  
 / 가  
 가  
 , elicitation mRNA level  
 Roberts  
 Arabidopsis rice database가  
 가  
 가 mRNA expression level  
 metabolite  
 가 가 metabolite  
 metabolite sample study  
 가 , DNA, RNA, protein,  
 metabolite data가  
 DNA 가 protein  
 가 가  
 Arabidopsis rice genome 가  
 가  
 metabolite 가 가  
 gene taxol vinblastine 가  
 가 가 가  
 Northeastern Cheney Ochtodes  
 secundiramea Portieria hornemannii monoterpene compound  
 6  
 monoterpene  
 UC Davis Karen McDonald 가 plant virus vector

tenure

virus

copy number가

Agrobacterium transformation

transformation efficiency가

Karen

가

virus가

host-pathogen

가

virus

virus가

host-

pathogen

^^\*

University of Wasington

James M. Lee

omics

가

가

가

spotlight

가

Recombinant protein

osmotic pressure

가

James M. Lee

Biochemical Engineering

NSF Biochemical Engineering

Fund

Worcester Polytechnic Institute

Melissa J Towler

mist reactor culture

가

parameter

가

tenure

tenure

tenure

ranking

tenure

fund

Talk

poster session

가

. Speed

가 50

가

가

10

skill

가

. Biochemical Engineering Poster session

3

post-doc ,

가