Biotransformation Innovation Platform (BioTrans)

Fermentation / Bioreactor Technology

Name	Project	Degree By
Chow Yoong Sien Yvonne Research Scientist (Joint appointment with ICES) yvonne_chow@biotrans.a-star.edu.sg	1) Bioprocess engineering and design 2) Enhancement of the production of high-valued ingredients via fermentation 3) Novel bioreactor design	Nil

Bioprocess Engineering Design

Name	Project	Degree By
Chow Yoong Sien Yvonne Research Scientist (Joint appointment with ICES) yvonne_chow@biotrans.a-star.edu.sg	1) Bioprocess engineering and design 2) Enhancement of the production of high-valued ingredients via fermentation 3) Novel bioreactor design	Nil

Biotransformation

Name	Project	Degree By
Chow Yoong Sien Yvonne Research Scientist (Joint appointment with ICES) yvonne_chow@biotrans.a-star.edu.sg	1) Bioprocess engineering and design 2) Enhancement of the production of high-valued ingredients via fermentation 3) Novel bioreactor design	Nil

Chemical and Pharmaceutical Processing

Name	Project	Degree By
Chew Wee Research Scientist (Joint appointment with ICES) Chew_Wee@biotrans.a-star.edu.sg	1) Inline monitoring for bioprocess development, e.g. fermentation 2) Multivariate statistical (chemometrics) analyses of bioprocess data 3) Analytical method development for biomolecule identification (using infrared, Raman, mass spectrometry, etc.)	Nil

Multivariate (Chemometrics) Data Analyses

Name	Project	Degree By
Chew Wee Research Scientist (Joint appointment with ICES) Chew_Wee@biotrans.a-star.edu.sg	1) Inline monitoring for bioprocess development, e.g. fermentation 2) Multivariate statistical (chemometrics) analyses of bioprocess data 3) Analytical method development for biomolecule identification (using infrared, Raman, mass spectrometry, etc.)	Nil

Fermentation and Bioprocessing

Name	Project	Degree By
Chew Wee Research Scientist (Joint appointment with ICES) Chew_Wee@biotrans.a-star.edu.sg	1) Inline monitoring for bioprocess development, e.g. fermentation 2) Multivariate statistical (chemometrics) analyses of bioprocess data 3) Analytical method development for biomolecule identification (using infrared, Raman, mass spectrometry, etc.)	Nil

Computational Biology

Name	Project	Degree By
Kumar Selvarajoo Senior Research Scientist, Biotransformation Innovation Platform, & Affiliated Principal Investigator, SynCITI, NUS kumar.selvarajoo@biotrans.a-star.edu.sg	Computational Biology: 1. Computational Modeling of Biochemical Pathways, 2. Multidimensional Transcriptome-wide Analysis of Microorganisms to Diverse Perturbations	

Bioinformatics

Name	Project	Degree By
Kumar Selvarajoo Senior Research Scientist, Biotransformation Innovation Platform, & Affiliated Principal Investigator, SynCITI, NUS kumar.selvarajoo@biotrans.a-star.edu.sg	Computational Biology: 1. Computational Modeling of Biochemical Pathways, 2. Multidimensional Transcriptome-wide Analysis of Microorganisms to Diverse Perturbations	

Systems Biology

Name	Project	Degree By
Kumar Selvarajoo Senior Research Scientist, Biotransformation Innovation Platform, & Affiliated Principal Investigator, SynCITI, NUS kumar.selvarajoo@biotrans.a-star.edu.sg	Computational Biology: 1. Computational Modeling of Biochemical Pathways, 2. Multidimensional Transcriptome-wide Analysis of Microorganisms to Diverse Perturbations	