

## Welcome Address

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### Dr Faizus Sazzad

*President-Elect*

*NUS Medicine Graduate Students' Society*

*Chairperson,*

*10th Annual Biomedical Scientific Congress 2022*

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Building Science Foundation  
for Translational Medicine

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# Session 1

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## Session 1 (10:05 – 11:00)

10:05 – 11:00 Theme: Ace Your Research in Academia

### Panelists

- Prof Wee Joo Chng  
Vice-Dean (Research), NUS Medicine
- A/Prof Zhi Xiong Chen  
Assistant Dean (Education), NUS Medicine
- A/Prof Kevin Tan  
Head, Department of Microbiology & Immunology  
Vice-Dean (Graduate Studies), NUS Medicine  
Moderator



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Head, Department of Microbiology & Immunology  
Vice-Dean (Graduate Studies), NUS Medicine



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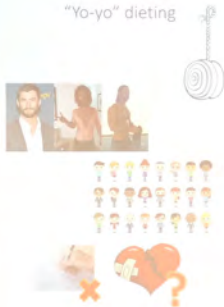
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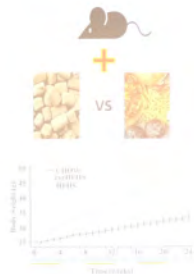


### "Yo-yo" dieting



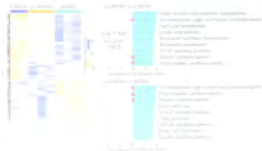
Why?

### Controlled mouse model



How?

### Cardiac metabolism



What?



# Metabolic



Cardiovascular stress



LV damage

HFHS ..... ? HFHS

Worst case scenario

What?



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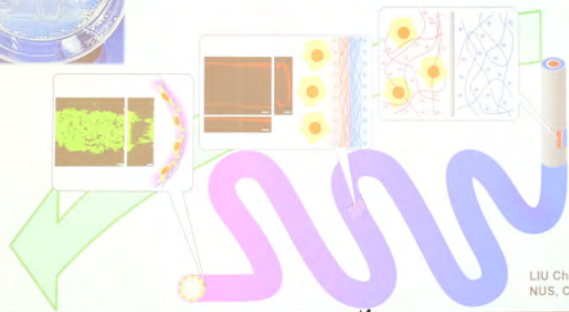
Vote now for  
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ilding Science Foundations  
or Translational Medicine





## One-Step Closer to Bioprinting Translational Applications – Capillary Vessel Printing



LIU Chixuan  
NUS, ChBE







## Prof Chng V

- Vice Dean of Research & Innovation, Loo Lin School of Medicine, Singapore
- Director, National University Cancer Institute of Singapore (NCIS)
- Senior Principal Investigator, National University Cancer Institute of Singapore, NUS
- Head and Senior Consultant, Department of Haematology, National University Cancer Institute of Singapore
- Leader, National Cancer Institute of Singapore, National University Cancer Institute of Singapore





## Prof Chng Wee Joo

- Vice Dean of Research & Provost's Chair Professor, Yong Loo Lin School of Medicine, National University of Singapore
- Director, National University Cancer Institute, Singapore (NCIS)
- Senior Principal Investigator, Cancer Science Institute of Singapore, NUS
- Head and Senior Consultant, Division of Haematology, Department of Haematology-Oncology, National University Cancer Institute, Singapore (NCIS)
- Leader, Haematologic Malignancy Research Group, National University Cancer Institute, Singapore (NCIS)





## Prof Chng Wee

- Vice Dean of Research & Prov...  
Loo Lin School of Medicine, Na...  
Singapore
- Director, National University Ca...  
(NCIS)
- Senior Principal Investigator, C...  
Singapore, NUS
- Head and Senior Consultant, D...  
Department of Haematology-O...  
University Cancer Institute, S...
- ...r, Haematologic Malign...  
National University Cancer I...





## A/Prof Zhong

- Associate Professor,  
Loo Lin School of M  
Singapore
- Principal Investigator  
Laboratory, NUS Cen
- B.Sc. (Hons), MHPE,





## A/Prof Kevin Tan

- Vice-Dean (Graduate Studies), Yong Loo Lin School of Medicine, *National University of Singapore*
- Head, Department of Microbiology and Immunology, *Yong Loo Lin School of Medicine, National University of Singapore*





# A/Prof Kevin Tan

- Vice-Dean (Graduate Studies), Yong Loo Lin School of Medicine, *National University of Singapore*
- Head, Department of Microbiology and Immunology, *Yong Loo Lin School of Medicine, National University of Singapore*





## CAREER DAY:

### Session 1: Ace Your Research in Academia



**Wee Joo Chng**  
Director of National Institute for Career  
Institute, Singapore - NCI



**Zhi Xiong Chen**  
Assistant Director of University of NCI  
Hong Kong and National Institute of Medicine



**Kevin SW TAN**  
Senior Director of National Institute of Health  
Hong Kong and Director of Singapore



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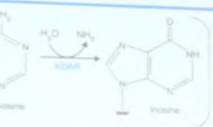


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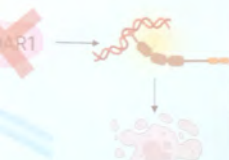
SINGAPORE

DAVIDSON SCIENCE INSTITUTE OF SINGAPORE



Autoimmunity

Immune Homeostasis

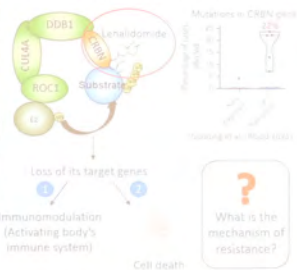


Cell death  
Overcoming resistance

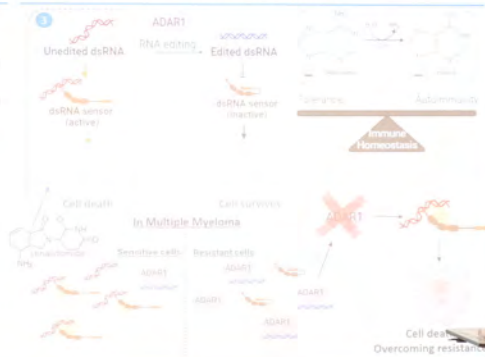


## BACKGROUND

- Second most common hematological malignancy.
- Myeloma remains incurable.
- Lenalidomide is a key first-line therapy and maintenance treatment in myeloma.



## RESEARCH SUMMARY



Anti-diabetic  
inflammatory lipids

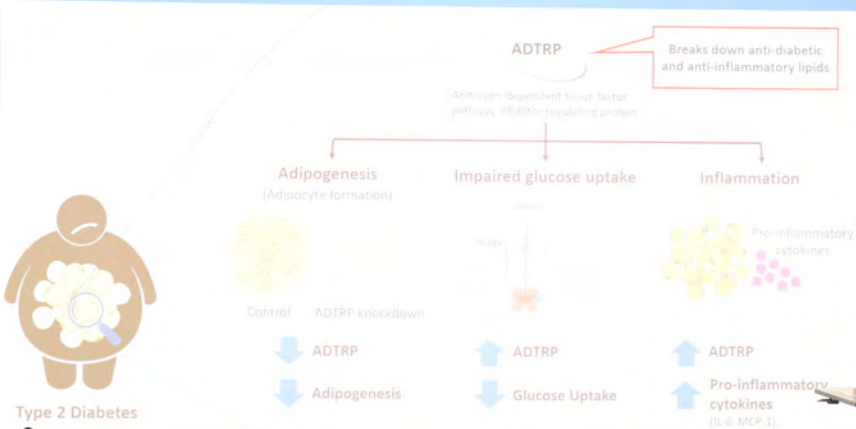
↓  
Inflammation

Pro-inflammatory  
cytokines

Inflammatory  
cytokines  
(IL-1, IL-6, TNF- $\alpha$ , MCP-1)



## ADTRP: A novel target for obesity-associated diabetes?







## Dr Shuwen Koh

- Koh Shuwen works as a Deputy Group Chief Technical Officer and Director, Innovation, NUHS.
- Dr. Koh graduated from Nanyang Technological University and has an MSc from Loughborough University, England. She achieved her Ph.D. from University of California, Los Angeles
- Dr. Koh Managing Singapore-wide R&D alliances in biomedical sciences and Developing external innovation partnerships







## Dr Shuwen Koh

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Over 10 years of experience in funding  
early-stage medtech innovation

Inventor & Entrepreneur

Dr Siang Lin YEOW

Lead (Enterprise)  
National Health Innovation Centre



CAREER DAY:

## Session 3: From Lab Bench to Store Shelves



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question



**Lawrence Ho**  
Director, Centre for Innovation in  
Healthcare, NUS



**Siang Lin Yeow**  
Head of Enterprise, National Health  
Innovation Centre (NHIC)



**Ajith Isaac**  
Product Manager, STB/IC, Ph  
Lead stage leaders



**Pei She Loh**  
NUS Medicine Alumni, Ex-Chair ASBC,  
Programs (SSE)





Co-founder of EndoPil, EndoMaster and  
Endofotonics

## Prof Lawrence HO

Director, Centre for Innovation in  
Healthcare, NUHS

Professor of Medicine, Yong Loo Lin  
School of Medicine, National University  
of Singapore

Senior Consultant, Department of  
Medicine, National University Hospital,  
Singapore





Over 10 years of experience in funding  
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Inventor & Entrepreneur

**Dr Siang Lin YEOW**

Head (Enterprise)  
National Health Innovation Centre



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# Dr Sashi Kesavapany

- Director, Biomedical Science, SG
- Pharma Industry Mentor, Biotech Discovery and Development, CE LiberaTx Pte Ltd
- Dr Kesavapany possesses 20 years experience in academic neuroscience
- Dr Kesavapany completed BSc. at Imperial College, a PhD at the Institute of Psychiatry, King's



# Dr Sashi Kesavapany

- Director, Biomedical Science, SGInnovate
- Pharma Industry Mentor, Biotech Spin Outs, Discovery and Development, CEO and Co-Founder LiberaTx Pte Ltd
- Dr Kesavapany possesses 20 years of post PhD experience in academic neuroscience research
- Dr Kesavapany completed BSc. in Biochemistry at Imperial College, a PhD in molecular neuroscience at the Institute of Psychiatry, King's College London





## Dr William Tan

- Associate Director of Medical Affairs (Precision Oncology) at MIRXES
- Dr. Tan is pursuing an advisory role in medical affairs whereby his scientific knowledge contributes to improved patient care by addressing unmet needs in disease treatment
- Dr. Tan is a strong healthcare service professional with a Doctor of Philosophy – Ph.D. focused in Biological and Biomedical Sciences from Nanyang Technological University.



# Dr William Tan

- Associate Director of Medical Affairs (Precision Oncology) at MiRXES
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CAREER DAY:

## Session 2: Break into the Fast-tracked Biomedical Industry



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question



**Shuwen Koh**  
Group Chief Technology  
Officer at NUS



**William Tan**  
Senior Director Medical Affairs  
(Moxes)



**Ashley Wittorf**  
of Business  
Development, Johnson & Johnson



**Sashi Kesavapany**  
Senior Director, Educational  
Affairs









## Session 3

Proudly presented to you by:



### Session 3 (2:00 – 3:15)

2:00 – 3:15

Theme

From Lab Bench to Store Shelves

Panelists

- Prof Lawrence Khek-Yu Ho  
Director, Centre for Innovation in Healthcare, NUHS
- Dr Siang Lin Yeow  
Head (Enterprise), National Health Innovation Centre Singapore (NHIC)
- Dr Ajith Isaac  
Investment Manager, STRIVE, Pre-Seed - Seed stage enablers
- Dr Pei She Loh  
Ex-Chairperson, ABSC Congress 2021,  
R&D Consultant, AVE

Moderator:

Li Zhang



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question

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Translational

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through tech"

deep tech ecosystem developer

SAAC

anager



"To empower founders to create impact  
through tech"

Deep tech ecosystem developer

Dr Ajith ISAAC

Investment Manager  
STRIVE A



**"I'm proud to be a molecular biologist"**

**Specialization in RNA technologies**

**Dr Pei She LOH**

NUS Medicine Research Fellow

Visiting Chair of A

MD Consultant AVECRIS



"Better Healthcare Thrives on Better Inno

Co-founder of EndoPil, EndoM  
Endo

## Prof Lawrence HO

Director, Centre for Innovation in  
Healthcare, NUHS

Professor of Medicine, Yong Loo L  
School of Medicine, National Univ  
of Singapore

Senior Consultant, Department of  
Medicine, National University Hos  
Singapore



**"Better Healthcare Thrives on Better Innovation"**

**Co-founder of EndoPil, EndoMaster and  
Endofotonics**

**Prof Lawrence HO**

Director, Centre for Innovation in  
Healthcare, NUHS

Professor of Medicine, Yong Loo Lin  
School of Medicine, National University  
of Singapore

Senior Consultant, Department of  
Medicine, National University Hospital,  
Singapore







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**Annie Lim**  
Vice President, Human Resources



Annie is VP of Human Resources at Hummingbird Bioscience.

Annie brings over 25 years of HR experience across several industries. Through her many leadership roles in multinational corporations such as Sanofi, Danaher Corporation, GSK, Adecco and Citrix, Annie supports and drives strategic business decisions, providing leadership direction in driving talent management, employee engagement, recruitment practices, organizational development excellence. Her expertise is in catalyzing workforce strategies to power up talent engagement for a highly motivated and productive workforce, and embed diversity and inclusion into human capital strategy to enhance employer building.

Annie holds a Masters in Human Resource Development (HRD) from The George Washington University (USA), a Masters of Counselling, and a degree in Business Marketing from Monash University (Australia). She is a certified career coach (ICF/62i), a Provisional Clinical Member (Singapore Association of Counselling), and a certified facilitator with Workforce Singapore (ACTA & CFP).









## 10th ABSC Career Day (22nd Sep 2022)



## Human Resources at Hummingbird Bioscience.

Over 25 years of HR experience across several industries. Many leadership roles in multinational corporations such as Pfizer Corporation, GSK, Adecco and Citrix, Annie supports strategic business decisions, providing leadership direction in management, employee engagement, recruitment and organizational development excellence. Her expertise is in workforce strategies to power up talent engagement for a skilled and productive workforce, and embed diversity and human capital strategy to enhance employer building.

Masters in Human Resource Development (HRD) from Washington University (USA), a Masters of Counselling, and Business Marketing from Monash University (Australia). She is a career coach (ICF/e2i), a Provisional Clinical Member (Association of Counselling), and a certified facilitator with Singapore (ACTA & CFP).





Associate  
Consultant

Consultant

Senior  
Consultant

ing Programme

torship, CS Meet-&-Greet, podcasts)

s, Innovation seminars)

NMRC talent awards  
(Transition Award, CSA, CIA, HCSA, STAR)

NMRC  
National Medical  
Research Council

PhD

NMRC Research Training Fellowship (RTF)

NMRC  
National Medical  
Research Council

o Sin  
of Medicine





# NUHS Clinician Scientist Academy

Clinician Scientist Academy  
"Junior Affiliates"



UNUS

Medical Student

Medical Officer

Resident

Senior Resident

Associate Consultant

Consultant

Senior Consultant



## NUHS Research Training Programme

(Saturday training series, seminars, mentorship, CS Meet-&-Greet, podcasts)  
(Engineering in Medicine series, Innovation seminars)

Office of Students Affairs  
Deans Office, Education

Undergraduate Research Opportunities Programme (UROP)



NUHS Clinician Scientist Programme (NCSP v2.0)  
(NCSP grant, Exxon Mobil grant)



NMRC talent awards  
(Transition Award, CGA, CIA, HCSEA, STAG)



Wong Hock Boon Society and Awards



MCI



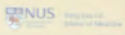
PhD

NMRC Research Training Fellowship (RTF)





Unit



Assistant



Senior Consultant

awards  
(A, CIA, HCSA, STAR)



Research Training Fellowship (RTF)



# From Tiny Nanoparticles to Big Dreams for Science Communication in Asia

**Juliana M. Chan, Ph.D.**

*CEO, Wildtype Media Group*

*Young Global Leader, World Economic Forum*

*Juliana@wildtype.media*

22 September 2022

NUS Medicine ABSC Career Dev



CO

September 2022  
US Medicine ABSC Career Day



CAREER DAY:

Session 4: Unlock



Annie Lim

Vice President Human Resources at  
Hummingbird Bioscience



SESSION 11: CHINA'S HEALTH CARE



**Annie Lim**

View President Human Resources at  
Hummingbird Bioscience



**Roger Foo**

Grad, Clinician Scientist Academy,  
National University Health System



**Juliana Chan**

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# CAREER DAY:

## Session 4: Unlock Your Leadership



**Annie Lim**

Vice President Human Resources at  
Hummingbird Bioscience



**Roger Foo**

Head, Clinician Scientist Academy,  
National University Health System



**Juliana**

CEO & Pub  
Wildtype Med





# Unlock Your Leadership Potential



**Roger Foo**

Head, Clinician Scientist Academy,  
National University Health System



**Juliana Chan**

CEO &  
Wildtype



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question





**Annie Lim**

Vice President Human Resources at  
Hummingbird Bioscience



**Roger Foo**

Head, Clinician Scientist Academy,  
National University Health System



**Juliana Chan**

Chief of Staff  
Workforce Group



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## 10th ABSC Career Day (22nd Sep 2022)



