



2024 3rd KOREA -NORDIC STRATEGIC SEMINAR FOR RESEARCH COLLABORATION

Aminoacyl-tRNA Synthetases for Health and Disease

Date : 3-5 June 2024

Venue : Karolinska Institutet, Sweden

Host : Dr. Sunghoon Kim (Korea) & Dr. Per-Johan Jakobsson (Sweden)

Participants

Sunghoon Kim(Yonsei Univ)	Overview of aminoacyl-tRNA synthetase functions
Per-Johan Jakobsson(KI)	Introduction of division organization and autoimmunity
Kweon Yu(KRIBB)	Functional analysis of methionyl-tRNA synthetase in lifespan and CMT disease
Myung Hee Kim(KRIBB)	Role of gut-associated microbiota tRNA synthetase in immune homeostasis
Jung Min Han(Yonsei Univ)	Epi-translational mechanisms of tRNA synthetases for metabolic control of nutrition
Ingrid Lundberg(KI)	Anti-Jo1 autoantibodies as targets for intervention?
Angeles Galindo(KI)	HisRS reactive T cells in lung and blood samples of patients with myositis
Antonella Notarnicola(KI)	Longitudinal studies of anti-Jo1 autoantibodies in patients with myositis
Nam Hoon Kwon(ZYMEDI)	Targeting membrane tRNA synthetase to control inflammatory diseases
Ina Yoon(Yonsei Univ)	Catalytic inhibition of tRNA synthetase for the control of fibrotic diseases
Charlotta Preger(KI)	Autoantibodies against tRNA synthetases in myositis
Begum Horuluoglu(KI)	Antigen specific T cells in muscle and blood of patients with myositis
Maho Nakazawa(KI)	Phenotype of B cells in patients with anti-Jo1 autoantibodies

2024 3rd KOREA-NORDIC STRATEGIC SEMINAR FOR RESEARCH COLLABORATION

Aminoacyl-tRNA Synthetases for Health and Disease

June 3th to 5th, 2024, Karolinska Institutet, Sweden



< Program >

June 3rd	Mon	Welcome dinner	17:30 ~	<u>Svarta Räfven faculty club</u>
June 4th	Tue	Workshop (Day 1)		
		Welcome and Introduction	08:30-9:00	
Talk 1	09:00-09:30	Overview of aminoacyl-tRNA synthetase functions <u>Sunghoon Kim</u> Yonsei University, Korea		
Talk 2	09:30-09:50	Introduction of division organization and autoimmunity <u>Per-Johan Jakobsson</u> Karolinska Institutet, Sweden		
Talk 3	09:50-10:20	Functional analysis of methionyl-tRNA synthetase in lifespan and CMT disease <u>Kweon Yu</u> KRIBB, Korea		
		Coffee Break	10:20-10:40	
Talk 4	10:40-11:10	Role of gut-associated microbiota tRNA synthetase in immune homeostasis <u>Myung Hee Kim</u> KRIBB, Korea		
Talk 5	11:10-11:40	Epi-translational mechanisms of tRNA synthetases for metabolic control of nutrition <u>Jung Min Han</u> Yonsei University, Korea		
Talk 6	11:40-12:10	Anti-Jo1 autoantibodies as targets for intervention? <u>Ingrid Lundberg</u> Karolinska Institutet, Sweden		
		Lunch	12:10-13:30	<u>Livet restaurant</u>

< Program >

Talk 7 **13:30-14:00** **HisRS reactive T cells in lung and blood samples of patients with myositis**
Angeles Galindo
Karolinska Institutet, Sweden

Talk 8 **14:00-14:30** **Longitudinal studies of anti-Jo1 autoantibodies in patients with myositis**
Antonella Notarnicola
Karolinska Institutet, Sweden

Talk 9 **14:30-15:00** **Targeting membrane tRNA synthetase to control inflammatory diseases**
Nam Hoon Kwon
ZYMEDI, Korea

Coffee Break **15:00-15:20**

Talk 10 **15:20-15:50** **Catalytic inhibition of tRNA synthetase for the control of fibrotic diseases**
Ina Yoon
Yonsei University, Korea

Talk 11 **15:50-16:20** **Autoantibodies against tRNA synthetases in myositis**
Charlotta Preger
Karolinska Institutet, Sweden

Coffee Break **16:20-16:40**

Talk 12 **16:40-17:10** **Antigen specific T cells in muscle and blood of patients with myositis**
Bequm Horuluoglu
Karolinska Institutet, Sweden

Talk 13 **17:10-17:40** **Phenotype of B cells in patients with anti-Jo1 autoantibodies**
Maho Nakazawa
Karolinska Institutet, Sweden

Wrap up **17:40-18:00**

Dinner **18:30 ~** **Carolina tower restaurant**

June 5th **Wed** **Workshop (Day 2)**

Discussion 09:00-10:30 **Future directions on the tRNA sunthetase research**
Moderator,
Sunghoon Kim & Per-Johan Jakobsson

Coffee Break **10:30-10:50**

Discussion 10:50-12:00 **Individual discussion for collaborative research**

Wrap up **12:00-12:10**