杉山雄一教授・城西国際大学（JIU）退官記念公開シンポジウム

〜薬物動態研究最前線：薬物相互作用、バイオマーカー、IVIVE,

非線形薬物動態、TMDD、スペシャルポピュレーション）〜

Professor Yuichi Sugiyama's Retirement Commemorative Public Symposium

at Josai International University (JIU)

〜Exploring the Frontiers of ADMET Research: Drug Interactions, Biomarkers, IVIVE, Nonlinear Pharmacokinetics, TMDD, and Special Populations〜

日にち：2025 年 10 月 14 日、15 日

Dates: Oct. 14th, 15th 2025

場所：ONLINE（Zoom）

プログラム
PROGRAM

14 日（火）1 日目（言語：日本語）Tuesday, 14th Day 1 (Official language, Japanese)

12:40 – 12:55 　開会の挨拶 Opening Remarks

楠原洋之 Hiroyuki KUSUHARA　東京大学大学院薬学系研究科
Graduate School of Pharmaceutical Sciences, The University of Tokyo

12:55 – 13:20 　**楠原洋之** Hiroyuki KUSUHARA 東京大学大学院薬学系研究科
Graduate School of Pharmaceutical Sciences, The University of Tokyo
研究、笑い、そして次の挑戦—杉山教授と歩んだ日々（第 3 回退職記念講演...
そして次へ！）
Research, Laughter, and the Next Challenge – My Time with Professor Sugiyama (The Third Retirement Talk… and Counting!)

13:20 – 13:45 　**前田和哉** Kazuya MAEDA　北里大学薬学部 Kitasato University School of Pharmacy
「ヒトのことはヒトに聞け」-In vivo ADMET の予測にヒト由来組織検体を用いる杉山先生
の眼力に魅せられて
"Ask the Human about the Human"; Embracing Dr. Sugiyama's Insight on Using Human-Derived Samples for Predicting In vivo ADMET

13:45 – 14:10 　**加藤将夫** Yukio KATO　金沢大学薬学系研究科 Faculty of Pharmacy, Kanazawa University
杉山先生に学んだ数理モデルの応用：抗がん薬のヒトでの複雑な腸管循環
Application of Mathematical Model learned from Professor Sugiyama: Quantitative Evaluation of Complex Enterohepatic Circulation of Anticancer Drug in Humans

14:10 – 14:35 　**伊藤晃成** Kousei ITO 千葉大学大学院薬学研究院 Graduate School of Pharmaceutical Sciences, Chiba University
HLA 多型依存的な特異体質性副作用の動物モデルの開発と課題
Development and Challenges of an Animal Model for HLA Polymorphism-Dependent Idiosyncratic Drug Reactions

城西国際大学
JOSAI INTERNATIONAL UNIVERSITY

14:35 – 15:00 　**樋坂章博** Akihiro HISAKA 　独立行政法人　医薬品医療機器総合機構 RS 統括部

　　　　　　　M&S エキスパート

　　　　　　　Expert of Modeling and Simulation, Office of Regulatory Science
　　　　　　　Coordination, Pharmaceuticals and Medical Devices Agency

　　　　　　　薬物動態学が開いた薬学のモデリングとシミュレーションの扉

　　　　　　　Pharmacokinetics has Opened the Door of Modeling and Simulation in Pharmaceutical Sciences

15:00 – 15:10 　休憩 Break

15:10 – 15:45 　**野崎芳胤** Yoshitane NOZAKI 　エーザイ株式会社　Global DMPK, Eisai

　　　　　　　OATP1B を介した肝クリアランスと DDI の定量的予測

　　　　　　　Quantitative Prediction of OATP1B-Mediated Hepatic Clearance and DDI

　　　　　　　和泉沙希 Saki IZUMI 　エーザイ株式会社　Global DMPK, Eisai

　　　　　　　OATP1B1 の時間依存的阻害のメカニズムと臨床でのインパクトに迫る

　　　　　　　Exploring the Mechanism of Time-Dependent Inhibition of OATP1B1 and Its Clinical Impact

15:45 – 16:05 　**遠山季美夫** Kimio TOHYAMA 　武田薬品工業株式会社

　　　　　　　Takeda Pharmaceutical Co., Ltd.

　　　　　　　CPathPred を用いた薬物の消失経路推定の創薬への活用

　　　　　　　*Application of In Silico Prediction of Major Elimination pathways by CPathPred to Drug
　　　　　　　Discovery*

16:05 – 16:25 　**年本広太** Kota TOSHIMOTO 　アステラス製薬株式会社 Astellas Pharma Inc.

　　　　　　　*杉山先生に大きな影響を受けたある情報学者が薬物動態のモデリング&シミュレーショ
　　　　　　　ンについて探る*

　　　　　　　*Exploring Modeling and Simulation of Pharmacokinetics from an Informatician's Perspective
　　　　　　　Inspired by Professor Yuichi Sugiyama*

16:25 – 16:45 　**浅海竜太** Ryuta ASAUMI 　アステラス製薬株式会社 Astellas Pharma Inc.

　　　　　　　肝障害時の薬物動態の予測：種々の生理学的変化を考慮した static model の構築

　　　　　　　*Predicting Pharmacokinetics in Cirrhosis: Essential Factors and their Application to a Static
　　　　　　　Model*

16:45 – 17:05 　**浅野聡志** Satoshi ASANO 　中外製薬株式会社 Chugai Pharmaceutical Co., Ltd.

　　　　　　　ITC review への道 - ゼロから積み上げた腎トランスポーター研究-

　　　　　　　The Path to ITC Review: Building Kidney Transporter Research from Scratch

17:05 – 17:25 　**伊藤澄人** Sumito ITO 　株式会社ジェノメンブレン GenoMembrane

　　　　　　　*ダブルトランスフェクト細胞で解き明かす胆汁酸の旅路：拡張クリアランス理論で進む
　　　　　　　道、GPS ではなく杉山先生の智慧が道しるべ*

　　　　　　　*Decoding the Hepatobiliary Journey of Bile Acids in Double Transfected Cells Utilizing the
　　　　　　　Extended Clearance Concept - No GPS Needed, Just Professor Sugiyama's Wisdom!*

17:25 – 17:45   中山慎司 Shinji NAKAYAMA 田辺三菱製薬株式会社 Mitsubishi Tanabe Pharma　Co.,Ltd

トランスポーターを介した薬物およびOATP1B の内因性バイオマーカーの相互作用を予測するための抗 HCV 薬、シメプレビルの生理学的薬物動態モデル

Physiologically-based Pharmacokinetic Model of Simeprevir for predicting Transporter-Mediated Interactions with Probe Substrates and an Endogenous Biomarker of OATP1B

17:45 – 17:55   閉会の挨拶 Closing Remarks

前田和哉 Kazuya MAEDA 北里大学薬学部 Kitasato University School of Pharmacy

15 日（水）2 日目　(言語：英語) Wednesday, 15th Day 1 (Official language, English)

9:15 -　9:30   Opening Remarks
Toshiaki TSUCHITANI Faculty of Pharmacy, Keio University

9:30 -　9:55   **Shiew-Mei HUANG** Office of Clinical Pharmacology, OTS, Center for Drug Evaluation and Research, FDA (invited)
Honoring a Legacy of Innovation: Dr. Yuichi Sugiyama's Pioneering Contributions to Pharmaceutical Sciences and Collaboration

9:55 – 10:20   **Toshiaki TSUCHITANI** Faculty of Pharmacy, Keio University
Tracing Professor Sugiyama's Research on Albumin-Mediated Uptake: What Lies Ahead for Us?

10:20 – 10:45   **Bhagwat PRASAD** Cincinnati Children's Hospital Medical Center (CCHMC)
Discovery and Validation of Novel OAT1 and OAT3 Biomarkers to Predict Renal Secretion

10:45 – 11:05   **Varma MANTHENA V** Pfizer
Evolution of Toolkit for Hepatic uptake Assessment: Prof. at the Forefront!

11:05 – 11:25   **Hong SHENG** Bristol Myers Squibb
Pioneering Biomarkers: Prof. Yuichi Sugiyama's Legacy in Transporter-Mediated DDI Assessment

11:25 – 11:45   **Ryota KIKUCHI** AbbVie
Optimization of Bottom-Up PBPK Model Development via Retrospective Analysis of Clinical PK Data

11:45 – 12:05   **Yan ZHANG** Nuvation Bio
Advancing the Science of Pharmacokinetics Research: Celebrating Professor Yuichi Sugiyama's Impact on Drug Discovery and Development

12:05 – 12:25   **Jasminder SAHI** Sanofi R&D
The Complexities (and fun) of dealing with New Drug-Drug Interaction data for Marketed Drugs

12:25 – 13:10   Lunch Break

13:10 – 13:30   **Yurong LAI** Gilead Sciences
Comparative PK and DDI Analysis in Microdosing Cocktail Studies Using Physiologically-Based Pharmacokinetic Modeling

13:30 – 13:50   **Kenta YOSHIDA** Genentech
Advancements in Transporter-Mediated Drug Disposition and Pharmacokinetics: Insights from Model-Based Approaches

13:50 – 14:15	**Xiaoyan CHU** Merck & Co.
	Prof. Yuichi Sugiyama and the Frontiers of Transporter IVIVE: Influencing the Future of Drug Development

13:50 – 14:15 **Xiaoyan CHU** Merck & Co.
Prof. Yuichi Sugiyama and the Frontiers of Transporter IVIVE: Influencing the Future of Drug Development

14:15 – 14:40 **Wooin LEE** College of Pharmacy, Seoul National University
YS (Your Solution) for Tackling PK/PD Modeling: Recent Case Studies of PBPK-TO (Target Occupancy) Modeling

14:40 – 15:00 **Yuki IWAKI** Global R&D, Janssen Pharmaceutical K.K.
Analysis of Nonlinear Pharmacokinetics by Target-Mediated Drug Disposition: Comparison of Two 5-Alpha-Reductase (5aR) Inhibitors Using a TMDD-PD Model

15:00 – 15:30 **Asian PK bootcamp friends**
・15:00 – 15:15 **Zhuohan HU** Research Institute for Liver Diseases (Shanghai) Co.
  The Contribution to Therapeutic Innovation by PK Boot Camps - Prof. Sugiyama's training course
・15:15 – 15:30 **Korbtham SATHIRAKUL**Faculty of Pharmacy Mahidol University
  From Seizai Laboratory at Todai to 1st ASEAN Boot Camp Organizer: The sincere respect to Sugiyama sensei

15:30 – 15:40 Break

15:40 – 16:05 **Yasunori AOKI** AstraZeneca
The Recommended Workflow of Cluster Gauss Newton method

16:05 – 16:30 **Takashi YOSHIKADO** Yokohama University of Pharmacy
A Tribute to Prof. Sugiyama: Advancing TMDD Modeling for Improved Drug Efficacy Predictions—Insights from DPP-4 Inhibitor Analysis

16:30 – 17:45 **Overall title: A 3-Decade Tale of PBPK/IVIVE**
・16:30 – 16:55 **Amin ROSTAMI** University Manchester/Certara UK.Ltd..
  Where We Were, Where We Are, and Where We Are Heading Towards

・16:55 – 17:20 **Masoud JAMEI** Certara UK Ltd.
  Advancing DDI Prediction using PBPK: Overcoming Challenges and Meeting Regulatory Expectations

・17:20 – 17:45 **Aleksandra GALETIN** University of Manchester
  Moving Towards Precision Dosing with Endogenous Biomarkers and Liquid Biopsy Coupled with PBPK Modelling

17:45 – 18:00 Remarks
  Yuichi SUGIYAMA Josai International University

19:00 – 21:30 Banquet
  "Margaret RM" Hotel Le Port Kojimachi
  2 Chome-4-3 Hirakawachō, Chiyoda City, Tokyo 102-0093

  退官記念晩さん会
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