



한 · 중 · 일 계량약리학 심포지움 & 워크숍

The 2nd A3 Pharmacometrics Symposium

-계량약리학의 국제적 규정의 조화와 집단약물동태학 -

**Harmonization of Regulatory View about Pharmacometrics
and Sharing Experience on Population Approach**

14th October 2016

(Workshops on 13th October 2016)

충남대학교 약학대학

특성화홀 (413-1호)

주최: 한국 집단약동약력학회 (PAGK)



**Population
Approach
Group
in Japan**



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Message from the President of PAGK

On behalf of the organizing committee, I would like to cordially invite you to the “The 2nd A3 Pharmacometrics Symposium (A3PS)”. The symposium will be held in collaboration with Population Approach Group in Japan (PAGJa), The Professional Committee of Pharmacometrics in China (PCPC) and Population Approach Group in Korea (PAGK).

The 2nd A3PS will be held at College of Pharmacy in Chungnam National University (CNU), Daejeon, Korea on 14th October, 2016. The major theme is: “Harmonization of regulatory view about pharmacometrics and sharing experience on population approach”. This symposium will provide opportunities to share experiences and make networks among pharmacometricians in A3 countries.

As a preliminary workshop, two separate courses about “An introductory workshop on Non-linear Mixed Effect Modeling” and “Target Mediated Drug Disposition – From Physiology to Pharmacokinetics” will also be held a day before the A3PS meeting on 13th October 2016. Official language of the workshops is English.

I encourage all of you to join this A3PS 2016 on 14th October, 2016 and hope that all the A3PS 2016 participants will have a memorable experience and a wonderful time in Daejeon.

We look forward to seeing you at A3PS meeting in Daejeon, Korea.



A handwritten signature in black ink, consisting of stylized Korean characters.

Kwon, Kwang-il, Ph.D.

Professor in College of Pharmacy, Chungnam National University
President of Population Approach Group in Korea (PAGK) /
Host country director for A3PS

Registration & Abstract Submission

❖ Registration

	USD	KRW	JPN	CNY
Early bird	90	100,000	10,000	600
On-site	100	110,000	11,000	700

- Deadline for Early registration: **2016.10.03 (Monday)**
- Early registration is available online only: www.a3ps2016.org
 - Early Registration can be made by filling registration form in the website and the early registration fee will be **paid on-site by CASH**
- Important note for payment process
 - Payment through Bank transfer or credit card is **not possible**, because of financial system of symposium. Please understand this uncomfortable payment issue.

❖ Abstract submission

- Please send abstract and poster file to pagk2006@gmail.com after registration
 - For oral presentation, please send your abstract until **2016.10.03 (Monday)**
 - For poster presentation, please send your abstract & poster file until **2016.10.03 (Monday)**
- Poster of all presenters will be printed and prepared by host organization (PAGK), and the fee for poster printing is already included in registration fee
- Detailed abstract style and poster size is given online (www.a3ps2016.org)

Board meeting

❖ Board meeting

Board meeting for 2016 A3PS will be held at Yousung Hotel on 13th October, 2016.

Dinner will be served after the meeting.

- **Date: 13th October 2016 (Thursday). 17:00 ~ 20:00**
- **Location: Lilac hall in Yousung Hotel, Daejeon**

※ Anticipated participants for 2016 A3PS board meeting (Can be re-arranged)

Country	Name	Organization
Korea	Kwang-il Kwon	President of PAGK, Host country director for A3PS
	Kyun-Seop Bae	Vice-president of PAGK, Next president of PAGK
	Dong-Seok Yim	Operation committee of PAGK
	Hwi-yeol Yun	General affairs of PAGK
Japan	Yusuke Tanigawara	President of PAGJa
	Yoshitaka Yano	Professor, Kyoto Pharmaceutical University
	Hidefumi Kasai	Japan Manager, Certara
China	Qingshan Zheng	Chairman of PCPC
	Jun Shi	Member of PCPC
	Wei Lu	Vice Chairman of PCPC
	Zheng Jiao	Professor, Fudan University (Chair of Young Scientists)

※ The proposed representatives and observers may attend board meeting with notification.

Program at a glance

- Date: 14th October, 2016 (Friday)
- Location: Teuk-Seong-Hwa Hall (Room No. 413-1)

College of Pharmacy (Building No. W6), Chungnam National University

Time	Contents	Speaker
9:30 ~ 10:00	Registration	
10:00 ~ 10:10	Opening remark by President of PAGK	
Young Scientist Session		Chair: Yusuke Tanigawara (PAGJa), Jun Shi (PCPC)
10:10 ~ 10:30	Modeling of Mycoplasma tuberculosis biomarkers for cure	Yookhwan Noh (PAGK)
10:30 ~ 10:50	Integrative Pharmacokinetic-Pharmacodynamic Modeling and Simulation of Amenamevir (ASP2151) for Treatment of Recurrent Genital Herpes	Akitsugu Takada (PAGJa)
10:50 ~ 11:10	Model Based Meta-Analysis to Quantify and Compare the Efficacy of Non-hormonal Drugs on Menopausal Hot Flashes	Lujin Li (PCPC)
11:10 ~ 11:30	Dosing optimization in obesity using pharmacometrics approach: Population Pharmacokinetics and Pharmacodynamics of meropenem in non-obese, obese, and morbidly obese patients.	Eun Kyung Chung (PAGK)
11:30 ~ 11:50	Application of pharmacometrics in pediatric drug development, Wei Zhao, PharmD, PhD Department of Clinical Pharmacy, Shandong University	Wei Zhao (PCPC)
11:50 ~ 13:00	Lunch break	
Application Session		Chair: Dong-Seok Yim (PAGK), Hidefumi Kasai (PAGJa)
13:00 ~ 13:20	The application of pharmacometrics in individual therapy in China	Zheng Jiao (PCPC)
13:20 ~ 13:40	Population Pharmacodynamic Model for Bayesian Prediction of Myelosuppression Profiles Based on Routine Clinical Data after Gemcitabine and Carboplatin Treatment	Yoshitaka Yano (PAGJa)
13:40 ~ 14:00	Modeling and validating chronic pharmacological manipulation of circadian rhythms	Jaekyoung Kim (PAGK)
14:00 ~ 14:20	Application of PK/PD modeling and simulation in antiviral drug development	Kun Wang (PCPC)
14:20 ~ 14:40	Pharmacometrics in clinical practice: population PK analysis of febuxostat in patients with sever renal impairment	Daiki Hira (PAGJa)
14:40 ~ 15:20	Tea break & Poster standing	
Regulatory Session		Chair: Wei Lu (PCPC), Jung Mi Oh (PAGK)
15:20 ~ 15:40	The New Japanese Guideline on Population Pharmacokinetic and Pharmacodynamic Analysis.	Yusuke Tanigawara (PAGJa)
15:40 ~ 16:00	How to increase the number of population pharmacokinetic analysis reports submitted to MFDS in Korea	Howard Lee (PAGK)
16:00 ~ 16:20	Regulation of CFDA related to pharmacometrics	Qingshan Zheng (PCPC)
16:20 ~ 16:40	EMA regulations on modeling issues	JaeWoo Kim (PAGK)
16:40 ~ 17:00	Recent examples of impact of pharmacometrics in decision making	Jee Eun Lee (USA)
17:00 ~ 17:30	Discussion	
17:30 ~ 17:40	Closing remark by President of PAGJa and PCPC	
18:00 ~	Social event with dinner	

Preliminary Workshop I

An Introductory workshop on Non-linear Mixed Effect Modeling

- **Date:** 13th October, 2016 (Thursday)
- **Location:** TBD
- **Organized by:** Pharmacometrics team (College of Pharmacy, Chungnam National University)
- **Sponsored by:** PAGK
- **Registration is available by online** (www.a3ps2016.org)
 - **Registration fee:** USD 200 (KRW: 230,000 / JPN: 22,000 / CNY: 1,300)
- **Total Participants:** Around 20 persons (Limited)
- **Target Participants:** This workshop is suitable for the scientists in the fields of DMPK, ADME, biopharmaceutics, pharmacokinetics, clinical pharmacology and clinical research scientists without or with limited experience about population analysis.
- **What to bring:** Laptop computer

Introductory course program	
Time	Contents
8:50 ~ 9:00	Course Introduction
9:00 ~ 10:00	Theory of population approaches
10:10 ~ 11:00	What is the Non-linear Mixed Effect Modeling
11:10 ~ 12:00	Writing dataset / model file
12:00 ~ 13:30	Lunch break
13:30 ~ 14:20	Model execution and interpretation of results
14:30 ~ 15:20	Covariate searching
15:30 ~ 16:20	Model evaluation
16:30 ~ 17:20	Simulation skills

Preliminary Workshop II

Target Mediated Drug Disposition - From Physiology to Pharmacokinetics -

- **Date:** 13th October, 2016 (Thursday)
- **Location:** TBD
- **Organized by:** PIPET (Pharmacometrics Institute for Practical Education & Training), The Catholic University of Korea
- **Sponsored by:** PAGK
- **Registration is available by online** (www.a3ps2016.org)
 - **Registration fee:** USD 300 (KRW: 340,000 / JPN: 31,000 CNY: 2000)
- **Total Participants:** Around 15 persons (Limited)
- **What to bring:** Hands-on sessions are included, but no individual laptop computer is needed for workshop.

Target Mediated Drug Disposition	
Time	Contents
8:50 ~ 9:00	Course Introduction
9:00 ~ 10:00	mAb/Therapeutic Protein, what are they?
10:10 ~ 11:00	Incorporation of physiology to the PK of mAb/Therapeutic Protein
11:10 ~ 12:00	Implementations in PK models for mAb/Therapeutic Protein
12:00 ~ 13:30	Lunch break
13:30 ~ 14:20	Enzyme Kinetics (Michaelis-Menten) and Antigen-Antibody reaction
14:30 ~ 15:20	Dissecting the TMDD model
15:30 ~ 16:20	Approximate methods – QE, QSS and M-M models
16:30 ~ 17:20	Advanced topics (TBD)

Location for Symposium

❖ Location for Symposium

- **Teuk-Seong-Hwa Hall (Room no. 413-1)**
 - College of Pharmacy (Building no. W6), Chungnam National University
- Address: 99 Daehak-ro, Yuseong-gu, Daejeon, Korea



❖ How to get College of Pharmacy (Daejeon) from ICN airport



- ① Find the Bus stop 9D outside of the airport
- ② You can buy Ticket near the 9D bus stop. Just tell to ticket officer “Daejeon, 1 person” (KRW 23,100)
- ③ You should get off the bus when bus arrived at “Daejeon Government Complex” or in Korean “Jeong-Bu-Cheong-Sa”. It will approximately take 2.5 hour from Incheon Airport to Daejeon.
- ④ Take a taxi to College of Pharmacy, CNU. Taxi fare is about KRW 6,000, and it takes approximately 15 minutes in a normal traffic flow

Accommodation & City Tour

❖ Accommodation

Hotel	Room Type	Rate (KRW)	Distance to Venue
Yousung Hotel (5-star)	Standard double Ondol room	220,000 → 110,000* 220,000 → 110,000*	1.3 km
Hotel Riviera (5-star)	Standard double Standard Twin	210,000 210,000	1.5 km

* Special price for conference participants in Yousung hotel.

Please contact hotel by e-mail (hotelyousung@hanmail.net) for reservation and inform that you are a participant of A3PS. Please reserve as soon as possible because limited room is available with above special rate.

❖ City Tour

Daejeon

Located in central South Korea about an hour south of Seoul by KTX, Daejeon offers a convenient transportation network with access to every region in the country. For this reason, it has grown to be the most advanced commercial and industrial city in the Chungcheong-do region.

The Daejeon City Tour offers a variety of themed courses, including science, history, and ecological tours that allow travelers to enjoy tours tailored to their own interests.

To get further details, please visit: <http://visitdaejeon.kr>

