

행사일정

Welcome Address

13:30~14:00 **Seung Jin Lee**
(Dean of college of Pharmacy, Ewha Womans University)

Presentation Session (Chair : Kyung-Min Lim)

14:00~14:30 **Modeling lifetime costs and health outcomes attributable to secondhand smoke exposure at home among Korean adult women**
SeungJin Bae
(Associate Professor, College of Pharmacy, Ewha Womans University)

14:30~15:30 **Public Health Policy Modeling for HIV Prevention, Screening and Care**
A. David Paltiel
(Professor, Yale School of Public Health, Yale School of Management)

Panel Discussion (Chair : SeungJin Bae)

15:30~17:20 **Ki Ho Kim**
(Executive Director, Strategy Support Office, CJ HealthCare)
Minah Lee
(Regulatory Affairs & Market Access Director, Lundbeck Korea)
Jeonghoon Ahn
(Associate Professor, Department of Health Convergence, Ewha Womans University)

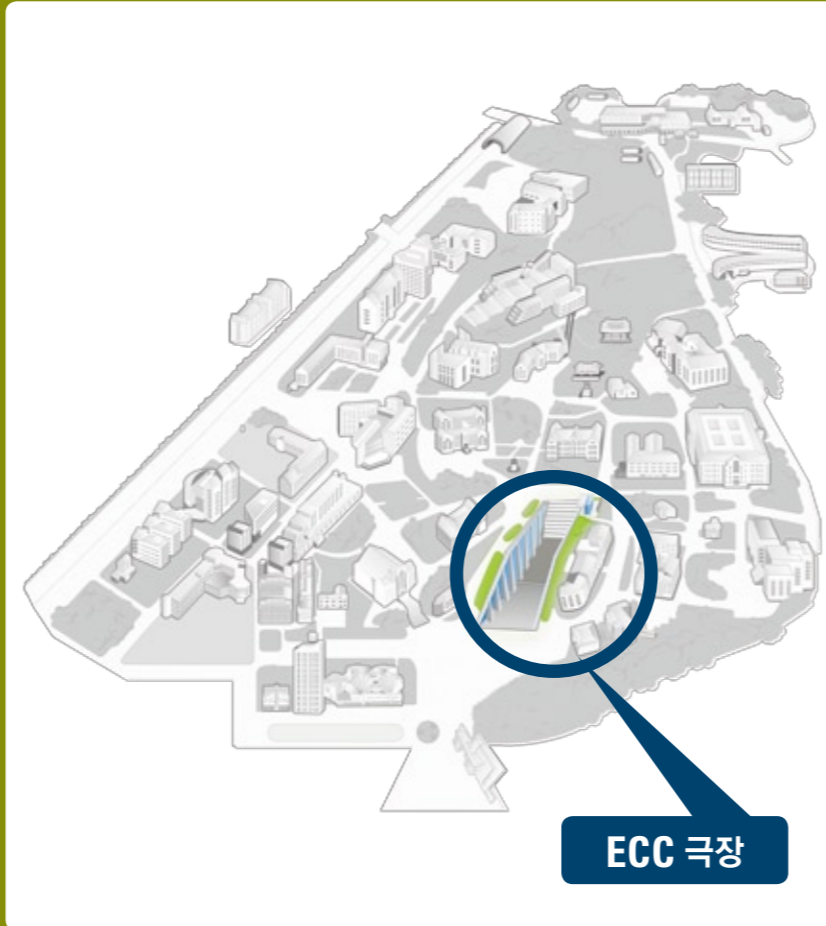
Closing Remark

17:20~17:30 **Hwa Jeong Lee**
(Director of Industrial Pharmaceutical Science of Graduate School Program Desinated by Ministry of Health and Welfare of Korea)

17:30~ **Banquet**

※ 상기 내용은 사정에 따라 변경 가능

MAP



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EWHW WOMANS UNIVERSITY

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2017 Ewha

Economic Modeling & Value in Health Care

2017. 5. 12(금) 13:30~17:30

이화여자대학교 **ECC**극장



이화여자대학교 | 일반대학원 | **제약산업학과**
EWHW WOMANS UNIVERSITY | The Graduate School of Industrial Pharmaceutical Sciences

KhIDI 한국보건산업진흥원

초대의 글

이화여자대학교 제약산업특성화대학원(대학원 제약산업학과)은 약학, 경영학, 의학, 법학 및 국제학이 연계된 다학제적 융합 교육 프로그램을 통해 제약산업의 선진화 및 글로벌화를 선도할 실무형 전문인력 양성을 목표로 하고 있습니다.

이에 금번 포럼에서는 본교의 다학제적 교육을 받은 제약산업학과 학생들이 국내 역학적 특징에 부합하는 Markov 모형을 직접 구축하여 BMJ Open에 수록된 사례와 Dynamic Modeling 분야의 전문가인 Paltiel 교수의 HIV 모형구축 사례를 공유하여 앞으로 국내 개발 신약의 경제성 평가를 위한 모형 구축의 가능성을 제시하고자 합니다.

귀 기관의 관련 연구자 및 실무자들께서 많이 참여하실 수 있도록 독려해 주시길 간곡히 부탁드립니다, 국내 제약산업 발전에 기여할 수 있는 발표와 토론의 장이 되기를 기대합니다.

2017년 5월

약학대학장 **이승진**

제약산업특성화대학원 사업단장 **이화정**

제약산업학과장 **임경민**

2017 Ewha

Economic Modeling & Value in Health Care

| 주 최 | 이화여자대학교 약학대학
| 주 관 | 이화여자대학교 약학대학 제약산업특성화대학원 사업단 (한국보건산업진흥원)

초대의 글

이화여자대학교 제약산업특성화대학원(대학원 제약산업학과)은 약학, 경영학, 의학, 법학 및 국제학이 연계된 다학제적 융합 교육 프로그램을 통해 제약산업의 선진화 및 글로벌화를 선도할 실무형 전문인력 양성을 목표로 하고 있습니다.

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2017년 5월

약학대학장 이승진

제약산업특성화대학원 사업단장 이화정

제약산업학과장 임경민

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Modeling lifetime costs and health outcomes attributable to secondhand smoke exposure at home among Korean adult women

SeungJin Bae

(Associate Professor, College of Pharmacy, Ewha Womans University)

14:30~15:30

Public Health Policy Modeling for HIV Prevention, Screening and Care

A. David Paltiel

(Professor, Yale School of Public Health, Yale School of Management)

Panel Discussion

(Chair : SeungJin Bae)

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Closing Remark

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17:30~

Banquet

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• **Seung Jin Lee**
Dean of college of Pharmacy, Ewha Womans University
Associate Professor, College of Pharmacy, Ewha Womans University

• **A. David Paltiel**
Professor, Yale School of Public Health, Yale School of Management

Modeling lifetime costs and health outcomes attributable to secondhand smoke exposure at home among Korean adult women

SeungJin Bae

Associate Professor / College of Pharmacy / Ewha Womans University

To estimate lifetime costs and health consequences for Korean adult women who were exposed to secondhand smoke (SHS) at home, a Markov model was developed to project the lifetime healthcare costs and health outcomes of a hypothetical cohort of Korean women who are 40 years old and were married to current smokers.

The Korean epidemiological data were used to reflect the natural history of SHS-exposed and non-exposed women.

The direct healthcare costs (in 2014 US Dollars) and quality-adjusted life years (QALYs) were annually discounted at 5% to reflect time preference. The time horizon of the analysis was lifetime and the cycle length was 1 year.

Our study is the first attempt to project health and economic outcomes attributable to secondhand smoking (SHS) using a Markov simulation model.

The model was validated by comparing its output against a population-based cohort study and the robustness of the assumptions were tested by conducting deterministic and probabilistic sensitivity analyses.



About the speaker

SeungJin Bae is an Associate Professor at the Ewha Woamans Universeity, College of Pharmacy. She has developed several decision analytic models for the economic evaluation of pharmaceuticals. As a team leader at HIRA (Health Insurance Review and Assessment Service), She was responsible for updating Korean guidelines for pharmaco-economic evaluation. She earned her Masters and Doctoral degree from Harvard School of Public Health, and Bachelor degree from Ewha Womans University, College of Pharmacy.



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Public Health Policy Modeling for HIV Prevention, Screening and Care

A. David Paltiel Professor

Yale School of Public Health / Yale School of Management

The past 20 years have seen major advances in HIV prevention, screening and treatment. These programs work – but they are expensive and no single intervention alone will be enough to stop the HIV epidemic, either in the United States or around the world. The challenge is to identify specific program bundles and high-value targets that will squeeze the greatest possible benefit out of every unit of scarce resource.

In 1994, our research group launched the “Cost-effectiveness of Preventing AIDS Complications” (or CEPAC) Collaboration, to develop a mathematical simulation of the clinical management, outcomes, and costs of HIV disease. For more than 20 years, we have employed the CEPAC Model to evaluate the clinical impact and cost-effectiveness of the most important developments in HIV detection, therapeutics, and prevention.

In this presentation, I will review some our most influential analyses. I will also present the lessons learned from a few of our more instructive failures as well as some of the novel analytic approaches that we are currently pursuing, both in developed nations and in resource-limited settings.



About the speaker

A. David Paltiel is a Professor at the Yale School of Public Health and the Yale School of Management, where he directs the Public Health Modeling Concentration. He holds both an MBA and a PhD in Operations Research from Yale. His research addresses issues of resource allocation and decision making in health and medicine. He develops analytic methods and policy models for the economic evaluation of a variety of prevention, screening, and treatment programs. He previously served as a faculty member at Harvard University.



E-mail: david.paltiel@yale.edu

• **Ki Ho Kim**
Executive Director, Strategy Support Office, CJ HealthCare

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