

## 모시는 글

귀하를 머크 생명과학 사업부 Process Solutions 에서 개최하는 Bioforum Korea 2017에 초대합니다. 이번 세미나를 통하여 저희 머크는 바이오 생산의 업스트림 공정에 필요한 기술과 경험을 공유하고자 합니다. 귀한 시간 내주시어 자리를 빛내 주시면 감사하겠습니다.

주 제 : The Leading Edge of Upstream Technologies

일 시 : 2017년 5월 30일 화요일  
09:00-17:40

장 소 : 코엑스 컨벤션 센터 201호

## 오시는 길



### 코엑스 컨벤션 센터

서울시 강남구 영동대로 513 코엑스 201호

\* 주차가 혼잡할 수 있으니 대중 교통 이용을 부탁드립니다.

MERCK

# 2017 Bioforum upstream seminar



머크 주식회사  
서울시 강남구 테헤란로 508  
해성2빌딩 4층

Phone +82 (2) 2185 3800  
Fax +82 (2) 2185 3900

[www.merckgroup.co.kr](http://www.merckgroup.co.kr)

## 연사 소개

### Guest Speaker



**Peter Bolt**  
Senior Project Manager, Celltrion

- 7 years of experience of CMO Project Management
- 12 years experience in large-scale cGMP manufacturing of therapeutic mAbs
- 5 years in start-up of large-scale cGMP cell culture manufacturing facilities
- 4 years experience in cell culture process development

### Merck Speakers



**Edmund Ang**  
Principal Scientist, BioReliance

- Expert in scientific and technical support on biologics safety testing in Asia Pacific region
- Prior experience at Roche and Thermo Fisher Scientific in the areas of cellular analysis, applied markets and bioproduction



**Usha Narayan**  
Associate Director, Global Business Development CHOZN™, Cell Line Development/Eng and CCM

- Professional experience in development of biotherapeutics in the CHO-based platform
- Outlicensed preclinical assets for type 2 diabetes from prior experience



**Delia Lyons**  
Senior R&D Scientist, Process Solutions

- 14 years of extensive experience in cell culture media development and optimization for fed-batch and perfusion systems



**Albert Cheong**  
Lead Scientist, MSAT, Cell Culture Media and Screening

- 13+ years of life science experience with extensive research in biopharmaceutical industry
- Prior experience at Lonza in leading projects for cell line development, process development and pre-clinical material supply



**Aletta Schnitzler**  
Head of Collaborations, Cell Therapy Bioprocessing

- 9+ extensive experience in life science and current focus on cell therapy manufacturing, media formulation and single-use systems



**Sabrina Xu**  
Associate Director, Market Sales Development-Asia Emerging Biotech

- Delivered Merck's capabilities to emerging biotech companies in Asia to support their challenges and provide holistic solutions

## 세미나 일정

Time	Topic	Speaker
09:00-09:15	Opening	Yong Kim
09:15-09:30	Introduction to Merck Upstream	Joanna Hudson
09:30-10:20	Overcoming Challenges of Cell Line Development	Usha Narayan
10:20-11:10	Cell Culture Media Designed for Intensified Perfusion Processes	Delia Lyons
11:10-11:40	Break and Market Place*	
11:40-12:30	Bioprocessing Raw Materials: Risk Mitigation Strategies	Albert Cheong
12:30-13:20	Lunch	
13:20-14:10	Virus Risk Mitigation	Edmund Ang
14:10-14:40	Break and Market Place*	
14:40-15:20	Solutions for Robust Cell Therapy Production	Aletta Schnitzler
15:20-15:50	Panel Discussion	Chair: Shenglan Cao
15:50-16:40	Trend in Emerging Biotech Market	Sabrina Xu
16:40-17:30	Key Suppliers, such as Merck, in the Past, Present and Future in Biopharm	Peter Bolt (Celltrion)
17:30-17:40	Closing	Chris Oh

\*Market Place는 머크의 장비와 제품을 직접 확인하고 채팅할 수 있도록 마련된 전시 공간입니다. 다양한 이벤트와 선물이 준비되어 있으니 많은 참여 부탁드립니다.

## 참가 신청

참가 신청을 원하시면 소속, 성함, 부서 및 이메일 주소를 작성하시어 아래 이메일로 사전 등록 해주시기 바랍니다.

마케팅팀: [events\\_pskorea@merckgroup.com](mailto:events_pskorea@merckgroup.com)