



### **Topic of the Speech:**

Mathematical Modelling of Infectious Disease: Myth or Reality?

### **Dr. Béchir Ben Hadj Yahia**

Senior Medical Leader  
Roche  
France



**Dr. Béchir Ben Hadj Yahia** is MD, PhD, board certified in Public Health. He underwent his medical education at Necker University Hospital (Paris Sorbonne University), completed a residency program in Gynecology & Public Health at Lille University Hospital, and a fellowship in Public Health at Lille University Hospital & Pasteur Institute. In parallel to medical school, he had a scientific education, earning a B.S. in Public Health (Paris 11 University), a M.S. in Biomathematics (Paris 6 University) and a PhD in Epidemiology, Health Economics and Prevention (Lille University). He also holds a M.S. in Marketing and Management of Health Firms (IAE School of Management) exploring the value of innovation in health field. During his academic experience as Assistant Professor & Attending Physician, Dr. Béchir Ben Hadj Yahia lectured Methods and concepts in the fields of Epidemiology, Health economics & Prevention and Public Health policies assessment & decision-making (Lille University School of Medicine).

He conducted several research activities (Lille University, Lille University Hospital & Pasteur Institute) mainly focused on:

- Evaluating the epidemiological impact and cost-effectiveness of cervical cancer screening and HPV vaccination, with modelling approaches,
- Exploring vaccination and screening health inequalities determinants in female population,
- Monitoring social media influence on vaccine hesitancy.

His clinical practice (Pasteur Institute) was focused on deprived populations. He also supervised Public Health Medical Residents Internship program (Lille University Hospital) exploring topics such as:

- Network statistics & communicable diseases modelling,
- Health economics & cost-effectiveness analysis,
- Social behavior influence on health inequities,
- Social media listening and impact on innovation uptake.

Dr. Béchir Ben Hadj Yahia had the opportunity, for almost 5 years, to advise several French Health Authorities (Health Ministry, National Cancer Institute, etc.) on vaccination & screening programs implementation and assessment. In 2016, Dr. Béchir Ben Hadj Yahia joined the Medical Affairs Department of Roche France as a Country Medical Manager for Lung cancer, defining the strategy and implementing the medical activities for Avastin, Tarceva and Tecentriq. Then, he was promoted to a Senior Medical Leader position for Oncology Pipeline, to lead the medical strategy for pan-oncology pipeline portfolio (entrectinib, tiragolumab, iNeST, FAP-II2v, etc.), with MOR-PHEUS & imCORE responsibilities. Dr. Béchir Ben Hadj Yahia served as council member for the French Public Health Society (SFSP). He also belongs to the American Society of Clinical Oncology (ASCO) and European Society for Medical Oncology (ESMO).