



Digital Therapeutics: Opportunities and issues in an emerging and essential new field.

Steven Dodsworth

University of Nottingham

Abstract:

Digital therapeutics (DTx) can be described as evidence-based therapeutic interventions mediated by high quality software programs to prevent, manage, or treat a broad spectrum of physical, mental, and behavioral conditions. This field has emerged in recent years to become a distinct sector within the field of digital health and whilst the term suggests analogy with traditional therapeutics the routes to market and commercial models remain unclear. Given the rise in chronic disease which is poorly addressed by established therapeutic approaches, DTx offers significant potential in prevention and self-management of life-style associated disease which threatens to overwhelm our healthcare systems. Reimbursement of DTx is evident in several European countries as is adoption by US-based insurers with significant interest from large diagnostic and pharmaceutical players. DTx do not, however, adhere to traditional market dynamics and this presentation will explore similarities and differences between traditional therapeutics and digital therapeutics and how they are likely to scale to deliver maximum benefit.

Biography:

Dr Steven Dodsworth trained as a molecular immunologist and joined the Human Genome Project in its formative



stages in the early 1990s. He joined a university spin-out life science company that grew into a global PLC, moving from technical roles into commerce before taking a role in Scottish economic development where he played a key role in the adoption of digital health in the national economic life science strategy. Steven left to found D Health in 2012 which has become one of the leading consultancies in digital health in Europe. He is founder of the corporate working group in digital health; a forum for executives working within multinationals to explore diverse aspects of digital health.

Publication of speakers:

1. A diverse and intricate signalling network regulates stem cell fate in the shoot apical meristem.
2. Cytogenomic and Bioinformatic Approaches to Understand Repeat Profiles in Eukaryotic Genomes