

# Congress Programme



**8th World Congress  
of Biomechanics**  
8 - 12 July 2018  
Dublin, Ireland

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In conjunction with



Hosted by



Plenary Speakers

Program Code	Title	Presenting	Decision	Final session	Session Time	Room
Plen01	Vascular mechanics and mechanobiology in health and disease	Jay Humphrey	Plenary Speaker	Plenary talk	Sunday 8th July, 18:00 - 18:45	Auditorium
Plen02	The intricacy of a biological structure: An exploration of the load and deformation characteristics of the human Achilles tendon.	Toni Arndt	Plenary Speaker	Plenary talk	Sunday 8th July, 18:00 - 18:45	Liffey B
Plen03	The Stressful Life and Death of the Intervertebral Disc Cell	Lori A. Setton	Plenary Speaker	Plenary talk	Monday 9th July, 09:00 - 09:45	Auditorium
Plen04	Biomechanics can provide a new perspective on microbiology	Takuji Ishikawa	Plenary Speaker	Plenary talk	Monday 9th July, 09:00 - 09:45	Liffey B
Plen05	Forces driving migration, division and folding in epithelial sheets	Xavier Trepas	Plenary Speaker	Plenary talk	Tuesday 10th July, 14:20 - 15:05	Auditorium
Plen06	Cell Mechanics and Applications in Disease Diagnosis and Therapy	Chwee Teck Lim	Plenary Speaker	Plenary talk	Wednesday 11th July, 08:30 - 09:15	Auditorium
Plen07	A personal digital lung to model lung structure-function over the adult lifespan	Merryn Tawhai	Plenary Speaker	Plenary talk	Wednesday 11th July, 08:30 - 09:15	Liffey B
Plen08	Biomechanics: Unifying force advancing science and health	Elazer R. Edelman	Plenary Speaker	Plenary talk	Wednesday 11th July, 14:20 - 15:05	Auditorium
Plen09	Orchestrating life: Building from cell to tissue, organ and early "organism"	Clemens van Blitterswijk	Plenary Speaker	Plenary talk	Wednesday 11th July, 14:20 - 15:05	Liffey B
Plen10	Biomechanics of building better bras for breast cancer survivors	Julie Steele	Plenary Speaker	Plenary talk	Thursday 12th July, 13:15 - 14:00	Auditorium
Plen11	Biomechanics of the female reproductive tract	David Elad	Plenary Speaker	Plenary talk	Thursday 12th July, 13:15 - 14:00	Liffey B