Congress Programme



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

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In conjunction with

The World Council The World Council Structure of Biomechanics











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