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| Contact | Gemma Wright |
| Telephone | 00 44 1638 724137 |
| Email | gemma@fusion-conferences.com |
| Website | [www.fusion-conferences.com](http://www.fusion-conferences.com)  |
| Twitter | @Fusion\_Conf |

**Mitochondria: From Basic Biology to Mechanisms of Disease Conference**

**27 Feb – 02 Mar 2019 | Nassau, Bahamas**

Scientific chairs Matt Kaeberlein (University of Washington) and Marcia Haigis (Harvard Medical School) are co-organising the Mitochondria: From Basic Biology to Mechanisms of Disease Conference from 27 Feb – 02 Mar 2019 in Nassau, Bahamas.

Mitochondria act at the interface of numerous processes critical for cellular function and organismal health. Recent years have seen a growing appreciation for the diverse roles that mitochondria play not only in energy production and metabolism, but also in maintenance of redox balance, regulation of gene expression, ion homeostasis, and control of cell fate.  Mitochondrial maintenance is critical for proper function of cells and tissues, and mitochondrial dysfunction underlies numerous disease processes ranging from severe childhood mitochondrial disorders, to heart disease, neurodegenerative disorders, cancer, and aging itself.

The Fusion Mitochondria: From Basic Biology to Mechanisms of Disease Conference will bring together scientists and clinicians from across the globe with expertise in a breadth of mitochondrial biology. Talking about the meeting, conference chair Matt Kaeberlein states *‘For many years mitochondria have been colloquially referred to as the “power plants of the cell”, but we now know that mitochondria do much more than simply generate energy. This meeting will bring together scientists who study diverse aspects of mitochondrial biology in order to stimulate interaction and cross fertilization of ideas, leading to new collaborations and synergistic advances’.*

Douglas Wallace, founding director of the Center for Mitochondrial and Epigenomic Medicine at the Children's Hospital of Philadelphia is the confirmed Keynote speaker for the conference and will be discussing his recent research ‘A mitochondrial etiology of the common ‘complex’ diseases’.

**Call for abstracts**

Oral Submission 19 September 2018

Poster Submission 14 December 2018

**Conference webpage:** <https://www.fusion-conferences.com/conference78.php>

*Fusion Conferences are a family-run scientific conference organiser comprising a small team of passionate individuals, with a common goal of bringing scientists together. Founded in 2012, we specialize in organising scientific based conferences within the academic and corporate industry for those working at the forefront of physical, medical and life sciences.*