



2015 International Tuberous Sclerosis Complex Research Conference: From Treatment to Prevention

10-12 September 2015, Mercure Windsor Castle Hotel, Windsor, UK

Day One: Thursday 10 September 2015

12:00 – 13:30 Registration and Lunch

13:30 – 14:00 Opening address, aims, objectives and structure for event, NIH update

14:00 – 15:30 Plenary 1: Early diagnosis and the impact of genetics on diagnosis

14:00-14:15 Community/ family speaker

14:15-14:45 Julian Sampson – *Genetics and early diagnosis*

14:45-15:15 Darcy Krueger – *Is it safe to intervene early?: data on long-term treatment of children with TSC with vigabatrin and mTOR inhibitors*

15:15-15:30 Rebecca Ihrle – *The origin of SEGAs*

15:30– 16:00 Break

16:00 – 17:30 Plenary 2: Impact and gaps of mTOR inhibitor treatment of TSC

16:00-16:30 Chris Kingswood – *mTOR inhibitors, where are we now*

16:30-16:45 Sophie Thompson – *Beyond mTOR*

16:45-17:15 David Franz – *mTOR inhibitors, where next*

17:15-17:30 Jadwiga Schreiber – *Toward a better understanding of epilepsy*

17:30 – 19:30 Break

19:30 – 21:30 **Conference Dinner, keynote speaker Michael Hall**

Day Two: Friday 11 September 2015

07:30 – 08:30 Breakfast

08:30 – 10:15 Plenary 3: The potential for preventing epileptogenesis in TSC

8:30-8:45 Community/family speaker

8:45-9:15 Sergiusz Jóźwiak – *EPISTOP and other new data on early intervention for epilepsy in TSC*

9:15-9:45 Martina Bebin – *The potential for early intervention to prevent the onset of epilepsy in TSC*

9:45-10:15 Michael Wong – *New data on the genesis of epilepsy*

10.15 – 10:45 Break

10:45 – 12:30 **Plenary 4: Breakthroughs in the understanding of lung and renal manifestations of TSC**

10:45-11:00 Carmen Priolo – *Aberrant lipid metabolism as a TSC biomarker*

11:00-11:30 Wei Shi – *A new mouse model of LAM*

11:30-12:00 Frank McCormack – *mTOR inhibitors and beyond in the lung*

12:00-12:30 John Bissler – *TSC renal failure and cystic disease*

12:30 – 13:40 Lunch and Networking

13:40 – 15:45 **Plenary 5: Breakthroughs in understanding the pathogenesis of TSC at the cellular level**

13:40-13:50 Community/family speaker

13:50-14:20 Brendan Manning – *TSC1B7 or other new data*

14:20-14:35 Gina Lee – *mTORC1-mediated mRNA alternative splicing in TSC and LAM*

14:35-15:05 Andy Tee – *HIF-1 or other new data*

15:05-15:35 John Blenis – *Glucose and glutamate metabolism new data*

15:35 – 16:00 **Break**

16:00 – 17:00 **Plenary 6: Late breaking research**

17:15 – 18:15 **Poster viewing and drinks reception**

Day Three: Saturday 12 September 2015

07:30 – 8:30 Breakfast

08:30 – 10:00 **Plenary 8: Burden of TSC and engaging those affected to impact research**

8:30-8:45 Community/family speaker

8:45-9:15 Petrus de Vries – *The neuropsychiatric burden and methods that work to lessen the burden*

9:15-9:45 Anna Jansen – *Burden of TSC & health economics*

9:45-10:15 Patrick Bolton – *TS2000: the impact of TSC in early years*

10.15 – 10:45 Break

10:45 – 12:30 **Plenary 9: Translating research into improvements in care and outcomes**

10:45-11:15 David Kwiatkowski – *Genetics and potential for personalized medicine*

11:15-11:45 Lisa Henske – *Treatments on the horizon for TSC and LAM*

11:45-12:15 Mustafa Sahin – *The potential for early intervention to prevent development of autism*

12:15 – 12:30 **Summing Up: Where next?**

12:30 – 13:30 **Main Conference Close and Networking Lunch**