MONDAY 9 JUNE | Wembley Stadium

TIME	SESSION/LOCATION			
08:00 – 09:00	**Registration** (Pre-Conference session: Introduction for students and new starters – Lizzi Pitt, Jemma Greenin and Oswald Dellimore)			
	Great Hall			
09:00 – 09:30	**Conference Opening Remarks** *Sarah Williams, PSI Conference Chair*			
09:30 – 10:30	**Communicating the magic of maths (PL1)** *Chair: Sarah Williams* Alex Bellos is one of the UK's most celebrated maths communicators. He has sold more than a million books, writes a popular puzzle column in the Guardian and appears regularly on Radio 4. In this talk he will explain what he has learned about communicating maths to different audiences. You will hear stories, see beautiful images and solve some puzzles! - *Alex Bellos* *Session kindly sponsored by Johnson&Johnson* **Johnson&Johnson**			
10:30 – 11:00	Refreshment Break in Bobby Moore Room			
	Great Hall	Wembley Suite	Pitch View East	The Arc
11:00 – 12:30	**The Fearless Statistician: Psychological Safety in Drug Development (O002)** *Chair: Lucy Rowell* *Session kindly sponsored by Amgen* **AMGEN** Introduction to psychological safety and its relevance to statisticians working in the pharmaceutical Industry - *Dirk Klingbiel* Organizational Approaches to Psychological Safety: Building Inclusive and High-Performing Statistical Teams - *Clélia Cahuzac* Quantifying the costs of a lack of psychological safety - A case series - *Anna Wiksten*	**AI/ML SIG: updates and applications (O003)** *Chair: Sam Hadlington* Predicting with uncertainty - *Chris Harbron* AI Generated Synthetic Control Arms to optimize Clinical Trials- *Paola Berchialla and Danila Azzolina* Explainable AI for Causal Inference and Heterogeneous Treatment Effect Estimation via AI/ML – a conceptual framework for late phase clinical trials - *Karl Koechert and Eliana Garcia-Cossio* Panel Discussion: *Sam Hadlington, Chris Harbron, Paola Berchialla, Danila Azzolina, Karl Koechert and Eliana Garcia-Cossio*	**Borrowing Strength or Buying Trouble? Using External Data in Regulatory Context (O006)** *Chair: Olivier Collignon* Thinking beyond the norm: how to (fairly) evaluate Bayesian Dynamic Borrowing Designs - *Gaëlle Saint-Hilary* Another form of hybrid trial designs with external information: extrapolation in Paediatrics - *Juan Jose Abellan* Echo of the Past: The Pre-specification Challenge in Hybrid RCTs - *Franz König* Challenges when using external control data for regulatory decision making - *Florian Klinglmueller*	**PFDD SIG: How to use PROs in early development (O011)** *Chair: Konstantina Skaltsa* Implementing Patient Reported Outcomes to Capture Tolerability in Early Phase Clinical Trials - *Devin Peipert* Project Optimus in Action: A Multistate Modeling Approach for Benefit-Risk Assessment in Oncology Dose Finding - *Alexandra Lauer* Missing PRO data: case-study example in sickle cell disease - *Evgeniya Reshetnyak* Hot topics: *Rachael Lawrance*

	Panel discussion: *Justine Rocheon, Dirk Klingbiel, Clélia Cahuzac and Anna Wiksten*			
12:30 – 13:30	SIGs at the Bar: *Come meet the SIGs and find out more about their work* Benefit Risk SIG, Regulatory SIG, AI & ML SIG, RWD SIG			
12:30 – 13:30	Lunch in Bobby Moore Room (Career Young Networking Session – *Lizzi Pitt, Jemma Greenin and Oswald Dellimore*) (Book Club Networking Session – *Emma May*)			
	Great Hall	**Wembley Suite**	**Pitch View East**	**The Arc**
13:30 – 15:00	**Navigating the Move to Open Source - Effective Strategies for Adoption and Working with Different Software (O010)** *Chair: Martin Brown* R Adoption & Change Management – a Large CRO Perspective - *Martin Brown* Mastering the Art of Adopting R and Python: Innovative Strategies for Effective Change Management - *Mark Bynens* R you (all) right, SAS? – Replicating statistical results between software - *Lyn Taylor and Christina Fillmore*	**Grow your own way (W2)** Session organisers: *Isabelle Smith and Lucy Rowell* Statisticians are a heterogenous group in terms of their career pathways. Roles can include delivery, consultancy, methodology, or even CEO, as well as many others. Throughout a career there may be many points where we reach a crossroads, and "how do I know what I want to do next?" or "how can I get to where I want to be?". In this interactive workshop, we will work through the GROW coaching model and how it can be used to help shape decisions about career direction. This workshop will be facilitated by speakers with very different careers who will share how they have used these techniques to support their own goals. Participants will have the opportunity to practice each element of the GROW model through the session, and to get the most from the session, participants will be expected to bring a career goal (short or long term) of their own that they would be happy to discuss in a small group.	**SEE-ing the Future: Empowering Health Decisions through Structured Expert Elicitation (O008)** *Chair: Min-Hua Jen* Structured Expert Elicitation (SEE) is increasingly recognized as a vital methodology for informing healthcare decision-making, especially in contexts where empirical data are scarce or unavailable—a frequent challenge in oncology. However, conducting SEE exercises that uphold the highest standards of credibility, accuracy, consistency, and transparency in expert judgments remains a persistent challenge. This panel discussion, jointly organized by the Historical Data Special Interest Group (SIG) and the Health Technology Assessment (HTA) SIG, brings together distinguished experts in methodology, alongside representatives from industry, academia and HTA bodies. The panel will deliberate on the current state and future direction of SEE in regulatory and HTA frameworks. *Roel Straetemans, Kate Ren, Christopher Jackson and Hugo Pedder*	**Career Young Statistician** *Chair: Lizzi Pitt* Powering RCTs for marginal effects with GLMs using prognostic score adjustment (CYS01) - *Emilie Hojbjerre-Frandsen* Is there really any benefit to stratified randomisation in practice? (CYS05) - *Pavankumar Bhagat* Frailty prediction using digital sensor data, an interpretable machine learning approach (CYS06) - *Gaizka Pérez* Reconstructing Individual Patient Level Survival Data from Aggregate Survival Data using a Simulation Approach (CYS07) - *Rebecca Boucher* Development and Evaluation of a Predictive Ensemble Learning Framework for Breast Cancer Radiotoxicities at 2 Years (CYS08) *Samana Bano*
15:00 – 15:30	Refreshment Break in Bobby Moore Room			
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15:30 – 16:45	**Causal Inference in clinical trails** Chairs: *Nicola Scott and Tom Burnett* DoubleMLDeep: Estimation of Causal Effects with Multimodal Data (O023) - *Martin Spindler* Decoding optimal methods in treatment switching: Recommendations from oncology-inspired simulation studies (O027) - *Orlando Doehring* Targeted Maximum Likelihood Estimation for Restricted Mean Survival Time in time-to-event data with low event rates: a case study using a previous non-randomised PAS study (O045) - *Michael Seath* Vaccine Efficacy waning estimation and extrapolation using causal inference (O047) - *Jyoti Soni and Andrea Callegaro*	**Bayesian/Master Protocols** Chair: *Julia Saperia* Bayesian life-course modelling of Alzheimer's Disease progression (O033) - *David Lunn* A basket trial design based on constrained hierarchical Bayesian model for latent subgroups (O036) - *Atsuki Hashimoto* Optimizing Paediatric Outcomes: Advanced Bayesian Modelling of Days Without Mechanical Ventilation in Respiratory Trials (O043) - *Danila Azzolina*	**Dose Optimisation** Chair: *Ayon Mukherjee* Designing a seamless P1/P2a open enrolment CRM dose escalation study (O025) - *Elias Laurin Meyer* Evaluating Early-Stage Oncology Clinical Trials in the Era of Project Optimus: A scoping review (O029) - *Anais Andrillon* A review of innovative seamless phase I/II design in early drug development in Oncology The Optimus Journey: FDA-Approved Examples of Dose Optimization in FIH Oncology Trials (O046) - *Benoit Sansas*	**Career Young Statistician 2** Chair: *Julia Niewczas* Applying prognostic scoring adjustments to enhance clinical trial efficiency in neurodegenerative diseases (CYS02) - *Harry Parr* Three new methodologies for calculating the effective sample size when performing population adjustment (CYS03) - *Landan Zhang* Context-dependent response-adaptive randomization for continuous endpoints and applications (CYS04) - *Luca Rondano* When to schedule the interim analysis in the presence of missing data? (CYS09) - *Neža Dvoršak*
16:45 – 17:00	Changeover			
	Great Hall			
17:00 – 17:45	**Gone in 45 seconds** Chairs: *Kate Taylor and Tom Burnett* Come join us for a quick preview of all of our posters that will be presented during the poster session. Each poster presenter will have 45 seconds to tell you about their poster. Always a fun session (will they finish in the allocated time or get sent off?!) and you can use this time to decide which posters you'd like to visit.			
	Bobby Moore Room			
17:45 – 18:45	**The Posterwalk Session** *Session kindly sponsored by GSK*			
19:30 – 22:00	Monday Night Social at BOXPARK, Wembley *Kindly sponsored by Alira Health*			