



University of
Reading

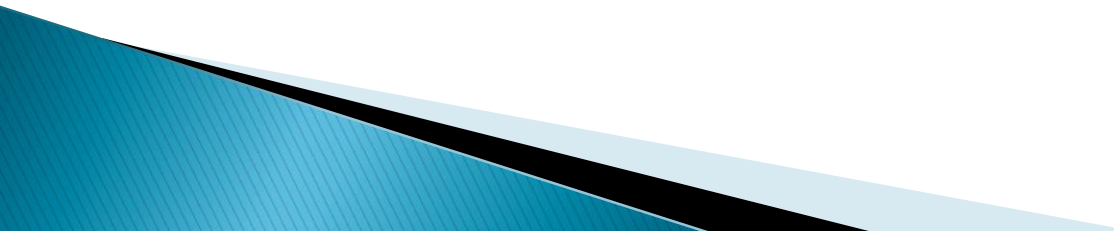
Bridging the Gaps

CINN


Centre for Integrative
Neuroscience and
Neurodynamics



Cognitive Systems Science

- ▶ Professor Douglas Saddy Linguistics, Neuro–Psychology
 - ▶ Professor Peter Grindrod Mathematics
 - ▶ Dr. Slawomir Nasuto Engineering, Cybernetics
 - ▶ Dr. Roland Potthast Mathematics
 - ▶ Dr. Peter beim Graben Physics
 - ▶ Dr. Kelly Sloan Linguistics, Manager
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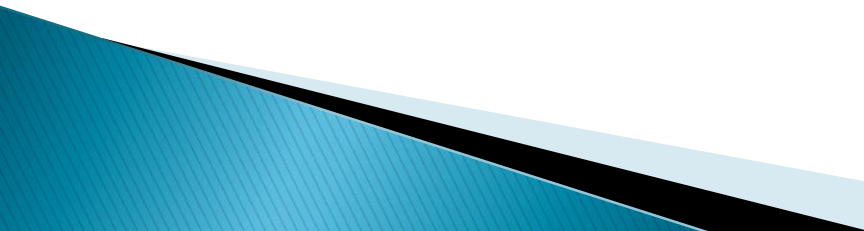
Cross Disciplinary agendas our BTG supports

- ▶ BCI
 - Capacitive electrodes
 - Real time signal analysis
 - ▶ BCI-HCI reverse loop
 - Recovery from acquired language and motor disorders
 - ▶ Decision Making
 - ▶ Diet and Cognition
 - ▶ GPU clusters as cloud resource for computational modelling
 - ▶ Neural Field modelling (field theoretic models of neuro-cognitive processing)
 - ▶ Data Visualization
 - ▶ Hyperscanning and simultaneous multi-platform brain imaging
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Successes

- ▶ Consolidated the ties between the three core departments
 - Leading to Neuroscience and Neurodynamics MSc
 - ▶ Established or expanded links to
 - ICMR (Institute for Cardiology and Metabolic Research)
 - Pharmacology
 - Food and Nutritional Sciences
 - Agriculture
 - Economics and International Relations
 - Henley Business School
 - Royal Berkshire Hospital, NHS and NHSR (DeNDroN)
 - ▶ Developed continuing joint studentship programmes
 - ▶ Grants
 - ▶ Leveraged BTG to broad University support
 - CINN now a University Research Platform
 - Cross-Disciplinary management position
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Things that work well

- ▶ **Joint studentships**
 - ▶ **Summer School**
 - ▶ **Focussed Workshops**
 - ▶ **Sponsored Seminar Series**
 - ▶ **Grant Writing Support**
 - ▶ **Summer Students / research internships**
 - ▶ **Public Forums**
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Difficulties

- ▶ Overcoming multiple departments, schools and faculties
 - Signing chain – dotting the is
 - Resolving issues wrt to overheads
 - Not just who gets it but “why should we bother, there is no financial benefit to department”
 - REF Cross disciplinary publications considered lower value
- ▶ Convincing the finance office to cooperate
 - Transparency for effective management essential
- ▶ Home Office

Solutions

- ▶ Talk to other (smaller) interdisciplinary grant holders and learn about common problems
 - ▶ Use status as BTG to promote effective university policies
 - ▶ Get your manager appointed as a permanent cross disciplinary enabler
 - ▶ Make it your business to know what people's research interests really are and act as an advocate
 - ▶ Work to generate good will
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