UKRO meeting on ERC advanced grant

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Points to cover: Apologies
Why I am here
Seniority and Benchmarking
Project selection
Failure
The right kind of boldness
B1 vs B2

Project Selection

the ONLY project that ONLY YOU can do

(may not be the best project you can think of)

Table 1. Expertise needed and available within the group to model Bioelectronics materials.

Research Area Relevant to the Project	Related works of the PI (examples)
Polymers simulations	Semiconducting,[28] polyelectrolytes,[31] coarse grained[39]
Biophysics simulations	Proteins,[40] nucleic acids[41]
Approximate quantum chemistry for large systems	Ad hoc schemes,[42] DFTB,[43] semiempirical methods[44]
Charge transport in organic materials	Molecular[45] and polymeric semiconductors[46]
Electrochemical models	Dye sensitized solar cells & Ion-Electrode Interactions[47]
Phenomenological models	Chemical Dynamics,[48] Diffusion,[49] Transport[50]