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The route to tolerance induction and the role of MHC in future advances for organ transplantation

Eureka moments are rare in modern science and most advances are gained in small increments repeating the work to ensure the findings are true. In a complex topic such as immunology the incremental approach has intellectual rigour but is very slow. At some point it may be worthwhile taking an educated guess at how it all links up. To take such a leap requires a different mindset and is not an approach likely to be enthusiastically supported by those who have hewn hard-won facts from the incremental rock face. Furthermore it is likely that a person who takes on such a project will be outside of mainstream thinking and inevitably place different interpretations on the work of others. My specific topic concerns the role of MHC in transplantation with the underlying hypothesis being that the MHC has a key role in tolerance induction. The target audience will be scientists and clinicians who are not immunologists and the presentation will be made as jargon-free as possible. e progress made in the validation of these biomarkers and their availability for clinical use in the near future.

Biography

Derek Gray trained in Oxford UK in vascular and general surgery specializing in transplantation followed by 5 years as transplant physician. His research interests include islet transplantation and transplant immunology. Author of more than 100 papers in refereed journals.

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