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**Title:** Statistical Experiences in Testing for Growth Hormone Abuse in Sport

**Abstract:** Growth Hormone is believed to be widely abused in sport. It is a naturally occurring substance so testing for doping is not the same as detection.

In this talk I will describe my experiences working with the Garvan Pituitary Research Unit and the World Anti-Doping Agency, some of which are statistical! We will touch on issues using a single biomarker ( $p=1$ ), multiple biomarkers ( $p=6$ ) and microarray data ( $p=41,000$ ).