



ANNOUNCEMENT

Please feel free to forward this announcement to interested colleagues & students.

Science Centre Singapore

cordially invites you

to meet with our

Scientist-in-Attendance

Please see below for more information.

Dr Ray Dunn

Principal Investigator

Institute of Medical Biology, A*STAR

on

Saturday, 4 August 2012

from 2:00pm to 3:00pm

at our

Scientist For A Day

Exhibition

in

Hall A

Science Centre Singapore.

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No pre-registration or reservation is required.

On first-come-first served basis only.

There may be some restriction on the length of time of each "conversation" with our Scientist.

Please see below for more information.

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Please note that regular entry charges into the Science Centre are applicable for non-members.

Current rates: \$9/adult ; \$6/senior ; \$5/child (3-16years)

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[Dr Ray Dunn](#)

... obtained his PhD in Cell Biology in 1999 from Vanderbilt University in Nashville, Tennessee, USA. His thesis described how the secreted growth factor called *BMP4* controls the earliest stages in the formation of primordial germ cells — those cells in the early embryo that will ultimately become the sperm and the egg. He then completed post-doctoral training at Harvard University, Cambridge, Massachusetts, USA where he studied a growth factor related to BMP4 called Nodal and investigated how it governs one of the most fundamental decisions that an embryo makes — where to put your head and where to put your tail, or, in other words, how to establish the basic body plan. His experience working in mouse embryonic stem cells led him to Singapore in 2004 when he joined ES



Cell International Pte Ltd as a Research Scientist in the Diabetes Group. He was eventually named Program Manager in 2005. In July 2007, he was appointed as a Principal Investigator in the A*STAR Institute for Medical Biology. His lab now focuses on trying to generate insulin-secreting cells from human embryonic stem cells for the treatment of diabetes. Ray also sits on the executive committee of the Stem Cell Society Singapore.

Find out what it is like in the lab of a stem cell scientist.

In our Scientist-in-Attendance session, Dr Ray Dunn and his team will show you what goes on in the lab of a stem cell scientist. After a short video that showcases the remarkable ability of stem cells to build and maintain the tissues that comprise us, Ray will offer additional insight into stem cell culture in the laboratory and provide some real-life examples of what stem cell looks like under a microscope. This will be followed by a question and answer session where you can ask Ray and his team any questions you have as well as find out what it takes to be a scientist. The session will take 20 to 30 minutes.

[Scientist-in-Attendance Programme](#)

The Science Centre's [Scientist For A Day Exhibition](#) is a novel showcase focussing on the “scientific method”. The exhibition is surrounded by a ring of interactive exhibits exploring the “steps” of the scientific method. After “working on” the exhibits, visitors are invited to apply what they have just experienced by conducting some simple experiments within our facilitator-led **Discover-It-Yourself Laboratory (DIY Lab)** at the centre of the exhibition space. *To find out more, please view our webpages @ [Scientist For A Day Exhibition](#).*

To further augment our visitors' learning experience, the exhibition will periodically be attended by practising scientists and specialists who will be available to answer visitors' queries on "the science behind ...", and to share in the excitement and joy of their scientific discoveries and understanding – their AHA! Moments – their professional experiences, and, perhaps offer their advice on projects, topics, methodologies, ie your application of the scientific method. *Please view our webpages to check on the dates and times that our [Scientists-in-Attendance](#) will be present.*

Please note that conversing with our Scientist-in-Attendance is based on a first-come-first-served basis. As no “reservation” is taken, the length of time for each conversation may need to be shortened so that other visitors will have some time with our Scientist-in-Attendance as well. Please note that interacting with our Scientist-in-Attendance is not the same as attending our DIY Lab sessions (which, for school-classes, require advanced booking). *Please view our webpages @ [Scientist For A Day Exhibition](#) for more information.*

Thank you.