



# Digital Health Science Initiative

## Digital Health Science Interschool Seminar Series

Opportunity for collaboration and networking

The core values of the seminar series is to allow a learning environment that cross cuts traditional academic “silo” thinking. Therefore this seminar series will focus on maximising the critical mass present in the participating seven schools who are currently contributing in the science of digital health.

In order to allow innovative thinking and collaborative practice the themes of every seminar will focus on one chronic and relapsing health related condition and/or a technological theme with all schools. Contributors to these seminars are encouraged to present any aspect of digital science. This year we also have NHS Fife participating into this unique seminar series.

The following chronic conditions will be our initial cross cutting themes:

Addictions	Respiratory and Cardiovascular	Hepatology
Chronic Pain	Oncology	Diabetes and Endocrinology
Renal	Neurodegenerative	Neurodevelopmental
Ophthalmic	Infectious Diseases	Neuroscience and Psychiatry

Cross cutting technological themes include (and are not limited to):

Machine learning	Human computer interaction	GIS
Statistics	Big data	Graph theory
Inference	Remote monitoring	Population models
Deep learning	Image analysis	Linkage

The following dates have been selected to hold our DHSI seminar series.

School/Organisation	Date	Time	Lead Contact
Physics & Astronomy	17.08.18	12.00 - 2.00pm	mm17@st-andrews.ac.uk
Medicine	17.10.18	12.00 - 2.00pm	amb30@st-andrews.ac.uk
NHS Fife	12.12.18	12.00 - 2.00pm	frances.elliott@nhs.net
Biology	13.02.19	12.00 - 2.00pm	maadd@st-andrews.ac.uk andy.gardner@st-andrews.ac.uk
Computer Science	03.04.19	12.00 - 2.00pm	twk@st-andrews.ac.uk
Geography & Sustainable Development	19.06.19	12.00 - 2.00pm	katherine.keenan@st-andrews.ac.uk
Mathematics & Statistics	16.08.19	12.00 - 2.00pm	m.papathomas@st-andrews.ac.uk



DHSI Seminar Series  
**Friday 17<sup>th</sup> August 2018**  
**12.00pm – 2.00pm**

**Room 222**  
**School of Physics & Astronomy**  
North Haugh  
St Andrews  
KY16 9SS

<b>School of Physics &amp; Astronomy</b>		
All	Lunch	12.00pm
Isla Rose & Mary Barnard	Ultraviolet Radiation, DNA damage, and sunscreen	12.20pm
Lewis McMillan	Monte Carlo radiation transfer model of laser tissue ablation	12.50pm
Nicole Schanche	Planet candidate detection and ranking using Machine Learning	1.20pm
All	General discussions	1.50pm

Where to find us: <https://www.st-andrews.ac.uk/physics/contact/index.php>