Mickey Adolphson

Keidanren Professor, Japanese Studies

Chair, Faculty of Asian and Middle Eastern Studies

Japan Global Research Center

グローバルな社会課題解決へ

UNIVERSITY OF CAMBRIDGE
JAPAN AND THE WORLD 学


ミカエル・アドルフソン


藤沢 久美


山中 哲男


池嶋 徳佳

Cambridge Research

Sustainable Earth

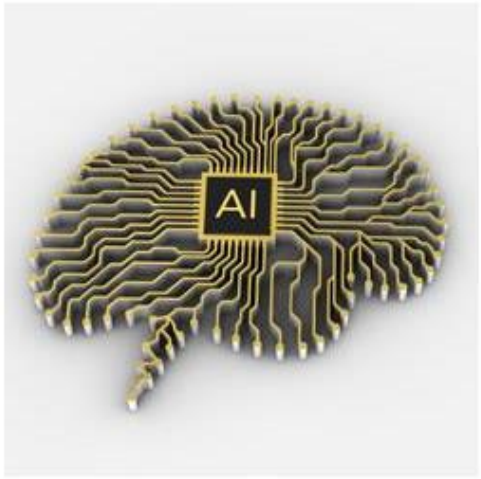
Focusing efforts or
and its precious re
towards a carbon-

Children

Understanding the implications of enabling children to grow into healthy, happy, educated and inquiring adults, in safety and free from adversity.

Work

Getting 'work' right is good for people and the nation. It contributes to increasing productivity, better living standards and economic growth.



Artificial intelligence

AI systems might help solve some of the greatest challenges we face. How do we maximise the promise and prepare for this future?

East of England

How research partnerships are offering innovative approaches to make the most of the region's assets and tackle its more pressing challenges.

UNIVERSI
CAMBRI

Cambridge Research

Material culture

Understa
material
insights

Future cities

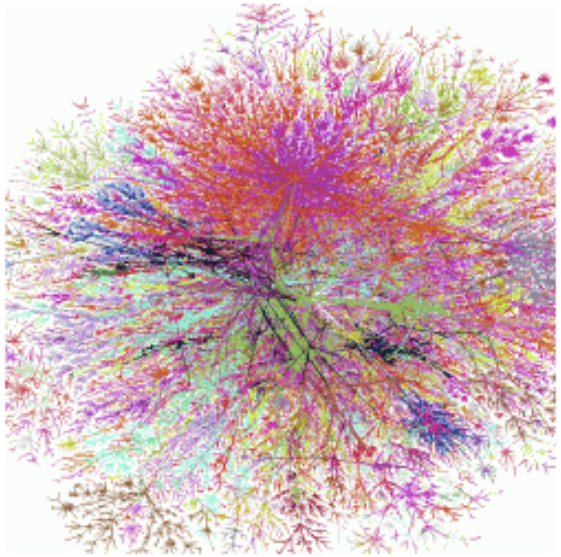
Over half the world's population lives in urban areas. The quality of life in future cities depends on the innovations we put in place today.

Africa

Cambridge researchers have long wo
with African colleagues on issues that
matter not just to the continent but t
the world.

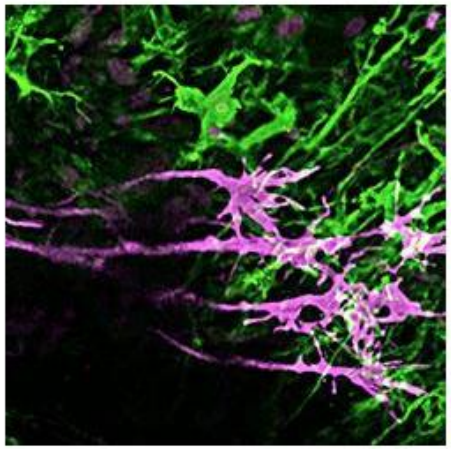
Future therapeutics

New technologies and strong academic-
otential



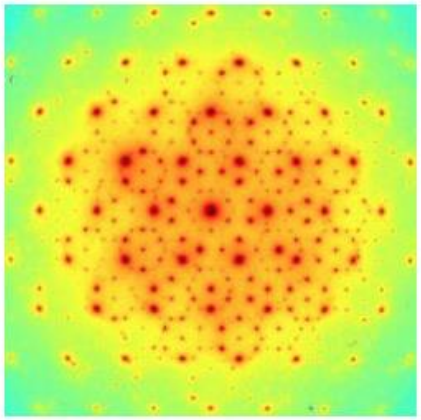
Digital society

About half the world's population uses the internet. How do we take advantage of this digital connectivity and also protect society from risk?



Neuroscience

Neuroscience has transformed our understanding of the brain and promises treatments for devastating disorders that affect millions.



Advanced materials

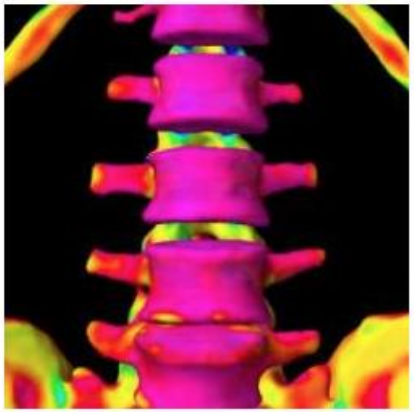
The demand continues for materials that are stronger, cheaper, lighter, more conductive – simply better

Big data

Our unprecedented ability to collect, store and analyse data is opening up new frontiers in science and the humanities.

Digital humanities

Digital technologies are opening up new fields of study and generating research



Imaging

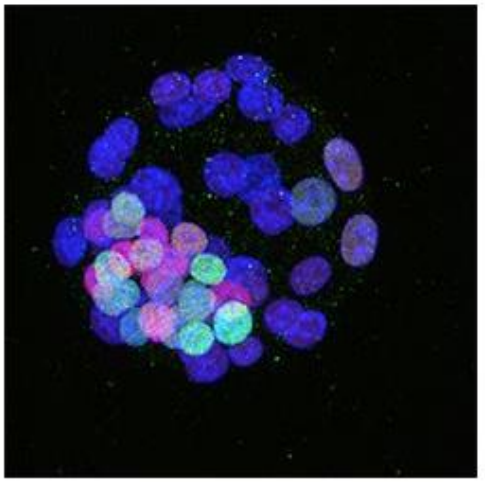
From microscopic cells to massive galaxies, imaging is a core tool for many research fields today, and it's also the basis of a surge in recent technical developments – some of which are being pioneered in Cambridge.

Migration

Immigration and migration, and the issues that surround them, have become symbolic of the 21st century

India

Cambridge and India have well over 100 collaborations and partnerships, many forged over decades, others more recently.



Stem cells

Stem cells, the 'building blocks' for every type of cell in the body, have tremendous potential to improve human health

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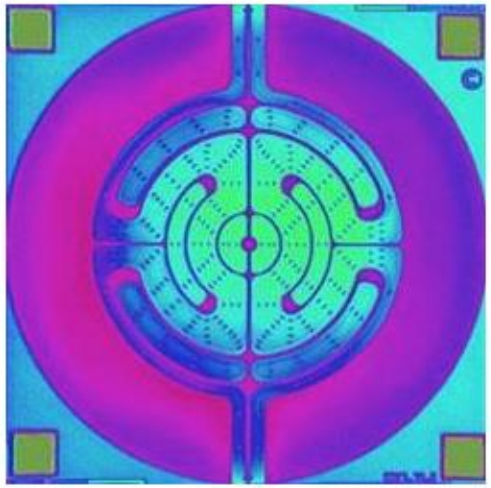
Cambridge Research

Language sciences

The importance of language is ha
overestimate, yet few of us are a
the sheer breadth and diversity o
language research

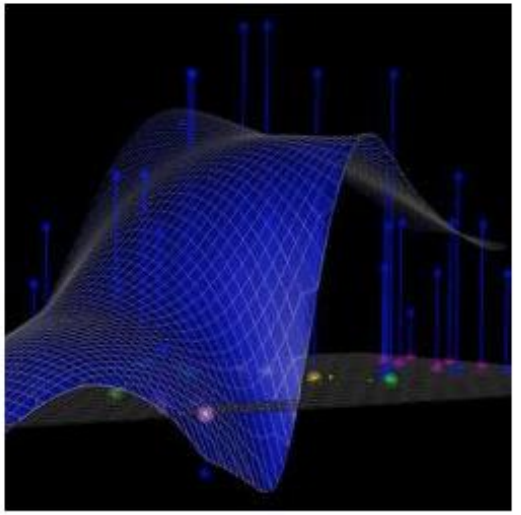
Public health

Putting public health research into
practice has had major impacts
ldwide, resulting in longer, healthier
s



Innovation

The application of new ideas, discoveries and inventions contributes to society and the economy nationally and globally



Infectious diseases

Combating infectious diseases and the threat of antimicrobial resistance remains one of the greatest global challenges

Energy

Research is tackling the need to reduce energy demand, maintain energy supply, increase the efficiency of energy-requiring processes, and develop policy and pricing strategies

Cancer

The translation of scientific advances in understanding cancer into real benefits for patients is gathering pace

Global food security

The task of ensuring affordable access to sufficient, safe and nutritious food for all is one of the major challenges of the 21st century

Biodiversity conservation

Life on Earth is at risk from an unprecedented rate of environmental change that threatens the natural resources on which we depend

Risk and uncertainty

From cybercrime to earthquakes, influenza to air travel, research on risk and uncertainty reflects issues that are of paramount importance

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