

Welcome to the 116th meeting of the Lyncean Group



6 December 2017

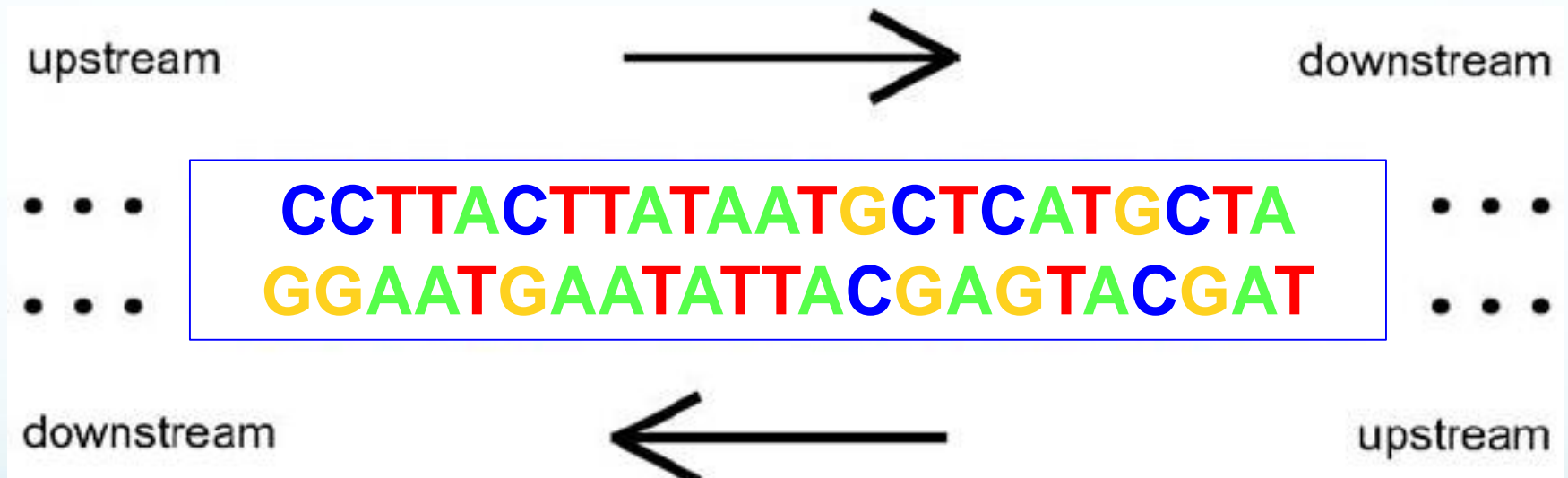
Agenda for today

- **Reminder: please turn off or mute cell phones**
- Announcements and Introductions
- Pete's Lynx
- Our talk for today: "Patient-specific cell therapy for Parkinson's Disease"
 - Speaker: Dr. Andres Bratt-Leal, Director of Research and Development at Summit for Stem Cell Foundation in La Jolla.
- Upcoming talks

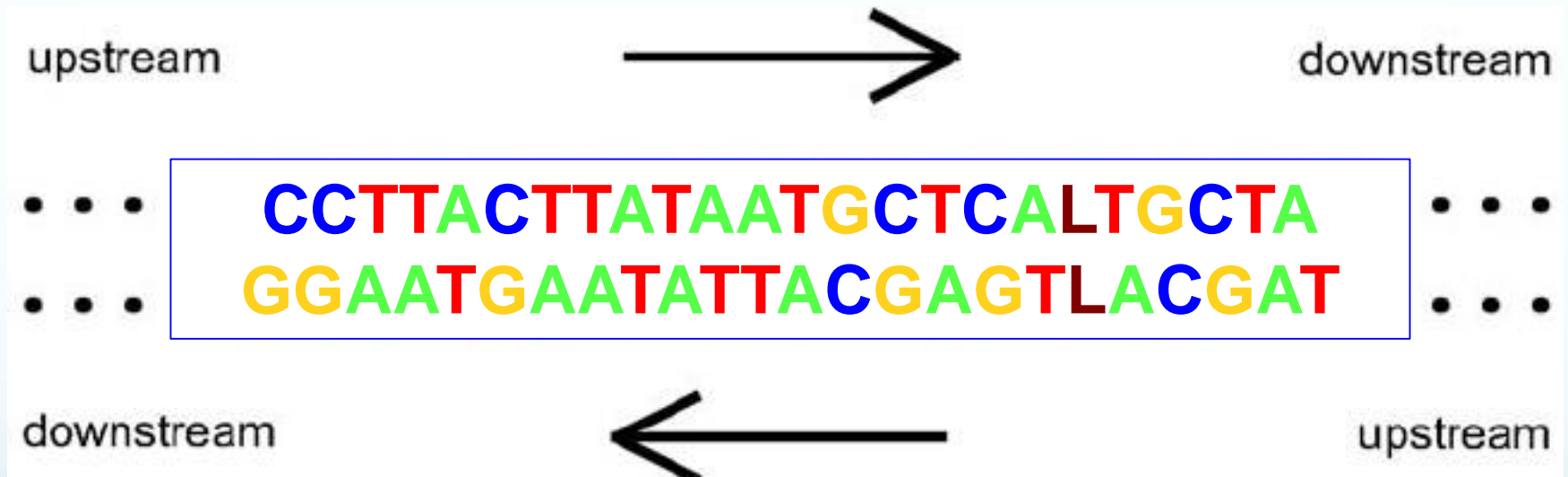
Lyncean Group Research Project

Investigating a possible genetic link into why
some people are attracted to Science,
Technology, Engineering & Mathematics
(STEM)

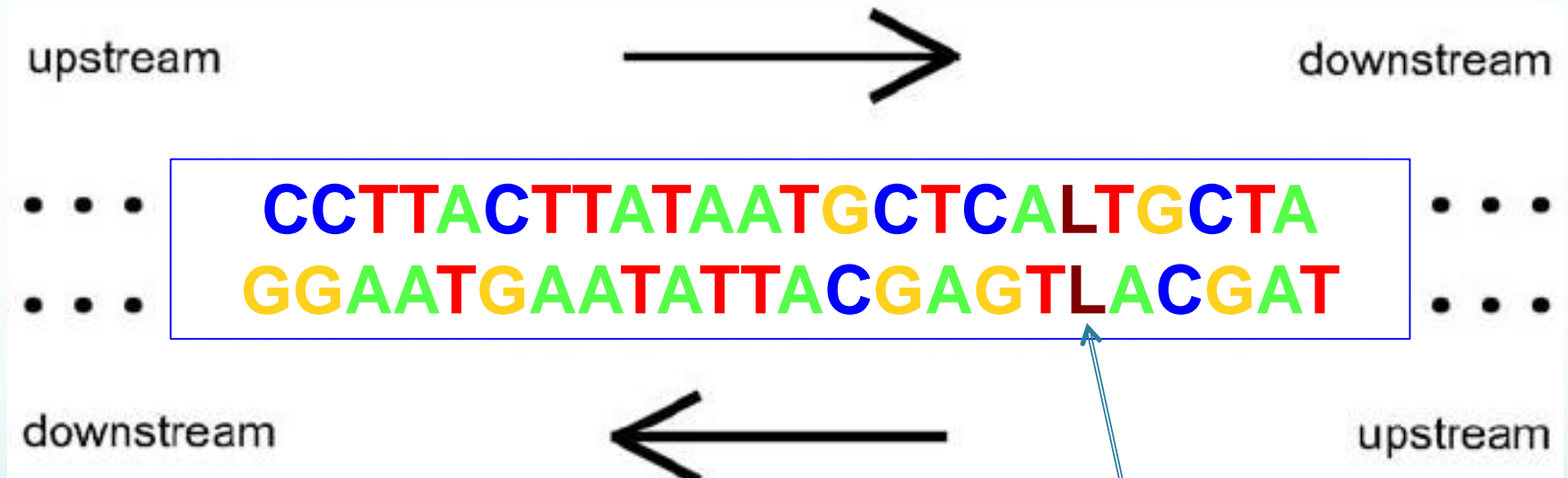
Typical Southern Californian DNA Sequence



Typical Lyncean DNA Sequence



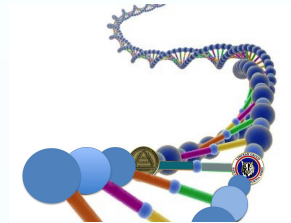
Typical Lyncean DNA Sequence



What is this
chromosome?

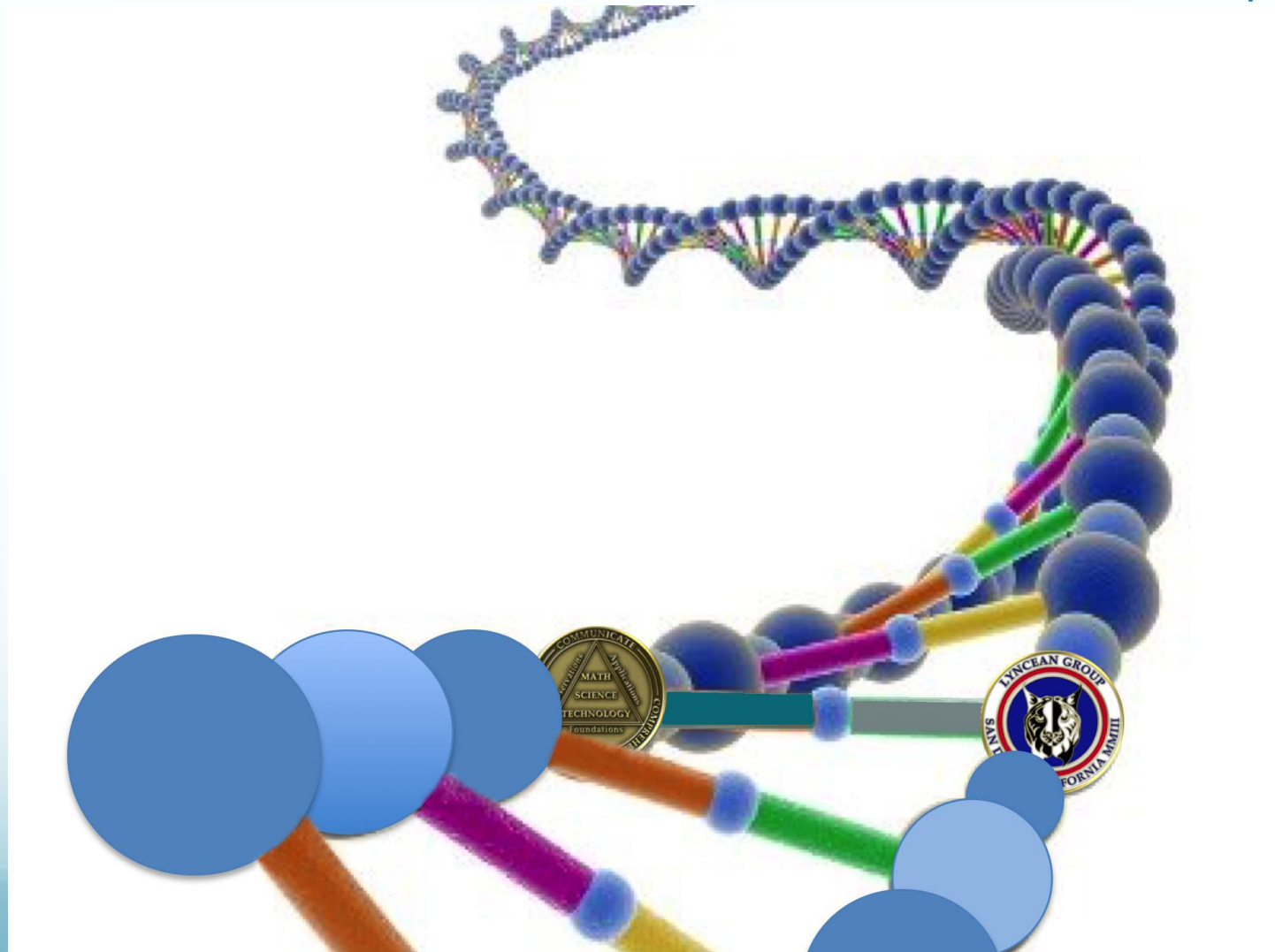
Typical Lyncean DNA Strand

First view, as seen on the not-so-powerful
(but cheap) Jacumba electron microscope

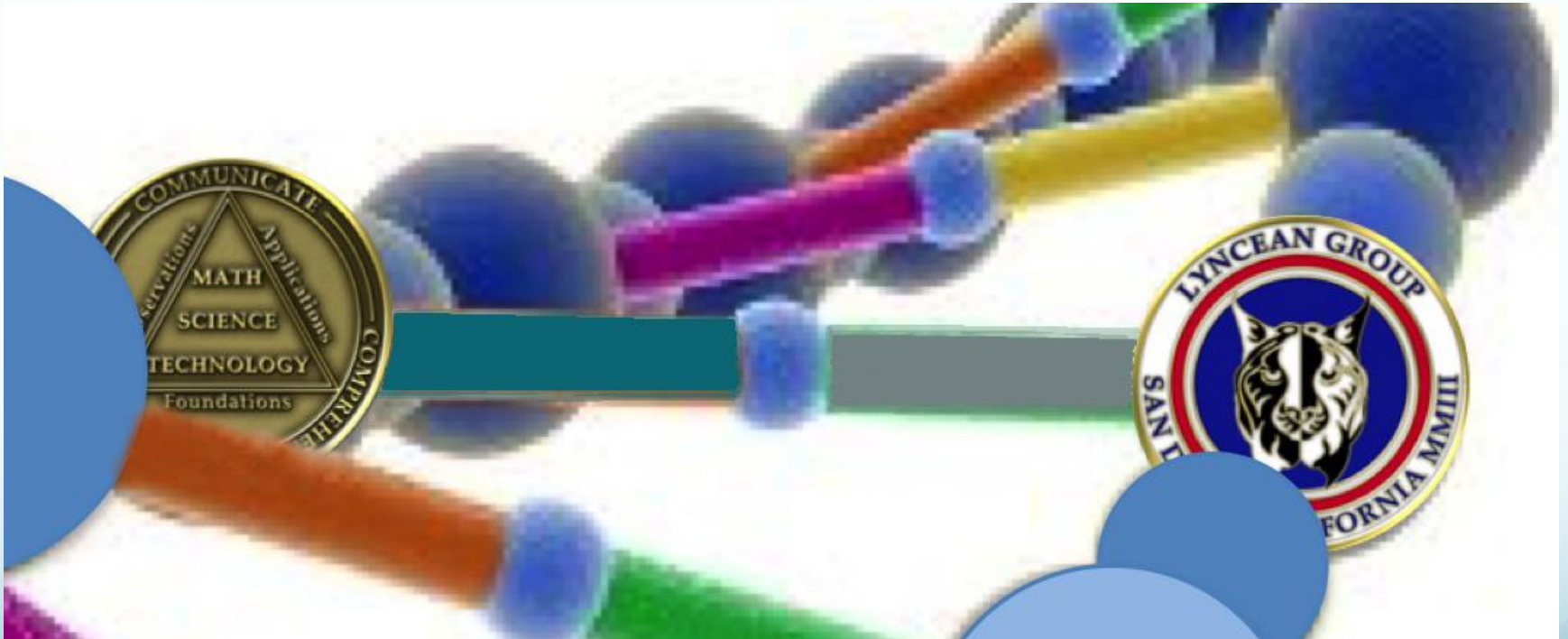


Typical Lyncean DNA Strand

Better view on the UCSD Medical Center electron microscope



A closer look at the Lynx-chromosome



This discovery points to
a genetic origin of
the human condition known as
“The Knack”



Now we have the tools to improve a patient's STEM performance

Patient's host genome



Insert the Lynx-chromosome



STEM-enhanced genome



The CRISPR/Cas9 system for genome editing could be used to insert the L-chromosome into a patient's genome, and with the technology available to the Center for Stem Cell Foundation, a stem cell therapy could be developed to create an army of young people with “The Knack,” ready to excel in STEM high school classes, universities and anywhere in science, medicine, academia & industry after graduating.

Alternatively, you could develop a stem cell therapy to cure for “The Knack.”

The Lyncean coin



Next Lyncean meeting

117th meeting of the Lyncean Group

- Date: Wednesday, 17 January 2018, 11:30 AM
- Location: Southwestern Yacht Club
- Speaker: Dr. Alexander (Alex) Cannara
- Topic: Ocean acidification

Check out the “Upcoming Talks” tab on the Lyncean website for the full schedule of our future meetings.

<http://www.lynceans.org/upcoming/>

Happy New Year to all!