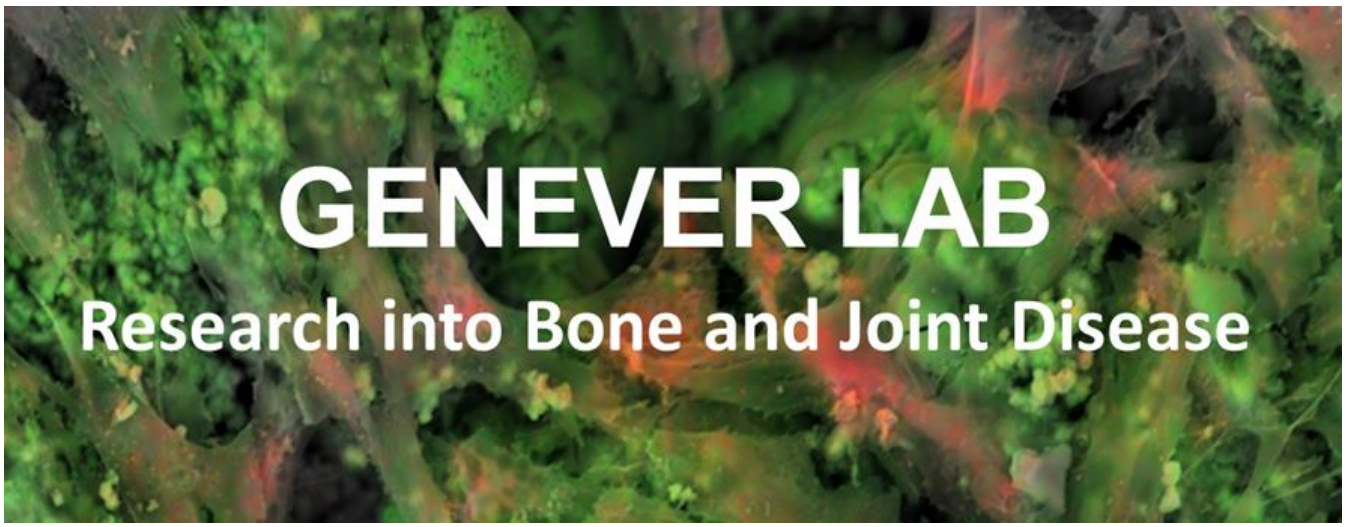
Newsletter



Reconnecting on Campus

@genever_lab

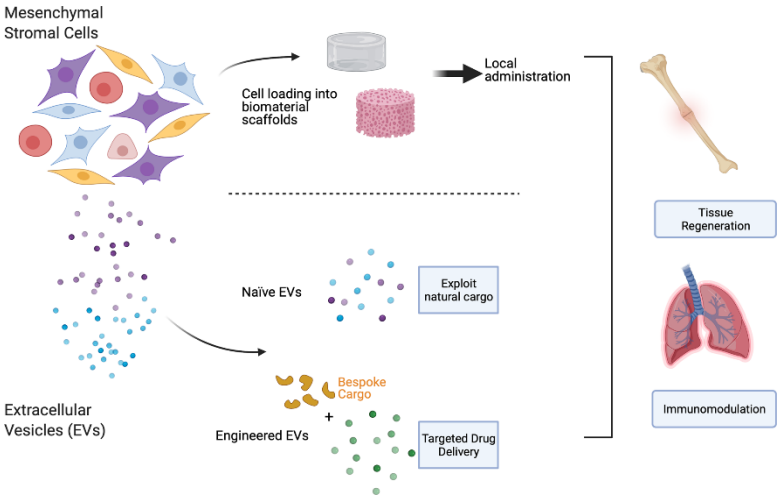
Our lab is once again open at full capacity and we are slowly and cautiously returning to normal work practices, whilst wearing facemasks, sanitising and maintaining social distancing whenever possible. The campus is also becoming much more of a vibrant community where we can collaborate and share ideas, and we've started holding our weekly meetings face to face again. With the start of the new academic year we have welcomed new students to the lab.

Genever Lab Highlights

- **David's review paper on the translation of stem cells into therapeutics was published in the "Emerging Topics in Life Sciences" journal.**
- Alasdair, Alison and Savvas will be giving a talk at the Tissue Engineering and Regenerative Medicine International Society (TERMIS) conference in November.
- Amy has finished her Masters project and is writing up her thesis. Great work Amy, and best of luck in your future adventures!
- We would like to welcome back Carmen who has returned as a Post-Doc in the lab.
- Reuben has started his PhD with us and Dr. Chris Spicer in Chemistry, welcome aboard Reuben!
- **Big potato news straight out of Paul's back garden, read on to find out more!**

David's review

Following up from our March newsletter, David's review paper has now been published and can be found here. He gives an overview of the current challenges faced by stem cells research and the huge potential stem cells have to offer in regenerative medicine. On the next page is a concise summary of the approaches to using stem cells and their products as therapeutics, with the small packages secreted by communicating stem cells called 'extracellular vesicles' or EVs being one of the hot topics in regenerative medicine today.



Approaches to therapeutic exploitation of MSCs and their products. MSCs can be applied by direct injection of cell suspensions or seeded onto biomaterial scaffolds as adhesion sites for local administration. MSC-derived EVs can be used in their naïve, unaltered state or engineered to carry specific cargos and/or cell-targeting motifs. Both modalities are applicable in tissue regeneration or immunomodulatory therapies.

Paul wins prize in a potato crop growth competition

This time of the year is a time of heated competition in the Fangfoss village. Competitors from all across the village bring in the end product of their hard work for the potato growing competition. Paul has been updating us and asking us for advice on his potato growth throughout the year, and our whole lab felt like a part of it, contributing ideas on how to improve the yield. In some way, Paul's potato helped us endure the COVID-19 situation and kept us afloat. It was a tremendous pleasure when we received the news on the evening of October 11th: the results were out! We received a cryptic email from Paul to "brace ourselves", with the above photo attached. A tremendous harvest of 38 grams! Following the judges' decision, we are proud to announce we have won the smallest crop award for the second year in a row. We felt like Paul deserved a special award, so he is now a holder of the 'Pomme d'or golden masher'!

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