

# Centre for Regenerative Medicine Research

## Summer 2023 Newsletter

### Editorial

Welcome to the Centre for Regenerative Medicine Summer Newsletter!  
This regular communication is used to disseminate news on Regenerative Medicine events, grant opportunities/awards and achievements. Please contact me if you have anything that you or your group would like to include.



Karina Wright PhD  
Director, Centre for Regenerative Medicine Research

Past Events			
	Event Title/ Date/ Location	Review	Reporter
	Tissue Microenvironment and Disease Workshop 2023 20-21-Apr-2023	<i>Dr Charlene Greenwood ran a fantastic 2-day workshop at Keele Hall, with some excellent speakers on topics including: Imaging the diseased microenvironment; Data based approaches to microenvironmental analysis; Biological methods in the tumour microenvironment. Dr Helen McCarthy and Ms Hollie Wilkinson from the Oswestry team won poster and oral prizes!</i>	Karina Wright
	RJAH Research Day 28-Apr-2023	<i>The RJAH held its annual research day on Friday 28th April. The exciting programme saw separate scientific and clinical sessions in the morning and a combined session in the afternoon. There was excellent attendance from Keele with many students, post-docs and group leads presenting their work as oral and poster presentations. It was great to see lots of Keele staff from across sites joining the day and a highlight was the keynote talk from Dr Dan Tonge, who gave us a fascinating insight on his experiences that have taken him from a wet lab scientist to a bioinformatician. Ms Hollie Wilkinson (1st year PhD student) won the 'Golden Test Tube' for best scientific talk, again! And Miss Jessica Fisher-Stokes (pictured below) shared the best poster prize!</i>	Charlotte Hulme

		
<p>ICRS Focus Meeting: Allografts &amp; Synthetics (Nice, France) April 27-29 2023</p>	<p><i>It was a great honour to receive a travel scholarship to attend the Allograft and Synthetics focus meeting in Nice. The exciting program explored the knee joint as a whole organ, focusing not only on the treatment of articular cartilage but also other issues such as meniscal allografts and malalignment. The conference effectively brought together everything from diagnostics to imaging, to conservative and surgical treatments, as well as basic science (biological approaches). Due to the international nature of the conference, it was a great opportunity to hear from a diverse range of speakers and network with experts from across the globe.</i></p> 	<p>Jade Perry</p>
<p>International Society for Extracellular Vesicle's Annual Meeting (ISEV2023), Washington, US May-2023</p>	<p><i>I recently attended the International Society for Extracellular Vesicle's Annual Meeting (ISEV2023) in Seattle, Washington, as part of my final year PhD on mesenchymal stromal cell extracellular vesicles (MSC EVs). Here, I got a chance to see the forefront of EV research, new EV technologies and discuss upcoming regulations with scientists in the field. I also presented my own work in the poster session, giving me a chance to discuss my PhD with like-minded scientists to gain their opinion and expertise. Overall, it was a valuable experience and one that will</i></p>	<p>Becky Davies</p>

greatly enhance my approach to EV research.



The European Alliance of Associations for Rheumatology – EULAR congress May/June-2023



*Dr Oksana Kehoe and myself, Ms Anaïs Makos, attended the EULAR congress 2023 in Milan where our abstract “Potential biomarkers to predict TNF inhibitor outcome in psoriatic arthritis” was accepted for publication. We heard scientific and clinical talks from international speakers and were particularly proud to attend Prof Sally Roberts’ talk who had been invited to talk about cell therapy for cartilage repair and osteoarthritis. Dr Amarasena and Dr Askari, consultant rheumatologists at the Robert Jones and Agnes Hunt (RJAH) Orthopaedic hospital were also in attendance.*

Anaïs Makos



**Upcoming Events**

Event Date/ Location	Event Title/Location	Deadlines
14-Jun-2023 09:30-16:00	<a href="#">Keele research</a> Keele Hall	Engagement Poster: Passed.

<p>29-Jun-2023 09:30-16:00</p>	 <p><b>Centre for Regenerative Medicine Research Launch</b></p> <p><i>Thursday 29<sup>th</sup> June 2023</i></p> <p><i>Keele Hall, Keele (Salvin Room)</i></p> <p><i>This event marks the launch of the Centre for Regenerative Medicine Research showcasing the diverse regenerative medicine and advanced therapeutics research excellence across the University and partner NHS trusts. The Centre Launch welcomes a series of invited clinical speakers and academic researchers. This event will provide a platform to shape the future of the Centre strategy, priorities and activities.</i></p> <p><i>Please register and submit abstracts by Monday 5<sup>th</sup> June:</i>  <a href="https://forms.office.com/e/arU9taDdk8">https://forms.office.com/e/arU9taDdk8</a></p>  <p><i>For any queries, please contact: karina.wright1@nhs.net</i></p>	<p>Abstracts Passed. Registration 21-June-2023.</p>
<p>13-Jul-2023/ 15-Jul-2023</p>	<p><a href="#">GRAPPA</a> Dublin</p>	<p>Abstracts: Passed</p>
<p>09-Sep-2023/ 12-Sep-2023</p>	<p><a href="#">ICRS</a> Barcelona</p>	<p>Abstracts: Passed</p>
<p>14-Sep-2023/ 15-Sep-2023</p>	<p><a href="#">Biomedeng23</a> Swansea</p>	<p>Abstracts: Passed</p>
<p>25-Sep-2023/ 26-Sep-2023</p>	<p><a href="#">BORS</a> Cambridge</p>	<p>Abstracts: Passed</p>
<p>8-Oct-2023/ 11-Oct-2023</p>	<p><a href="#">ISCoS 2023</a> Edinburgh ICC</p>	<p>Abstracts: Passed</p>

### Funding Opportunities:

[Priorities-2023-accelerating-diagnosis-and-treatment-guidance.pdf \(versusarthritis.org\)](#)

[Competition overview - Engineering Biology Collaborative R&D Round 2 - Innovation Funding Service \(apply-for-innovation-funding.service.gov.uk\)](#)

[Research and partnership hubs for health technologies – UKRI](#)

[UKRI cross research council responsive mode pilot scheme: round 1 – UKRI](#)

[University Research Fellowship | Royal Society](#)

### Awarded Funding:

Dr Heidi Fuller and Dr Monte Gates have secured a Leverhulme Trust grant worth £118k to investigate “What makes two overlapping groups of dopamine neurons so different?”



### Research Outputs:

Davies R, Allen S, Mennan C, Platt M, Wright K, Kehoe O. Extracellular vesicle depletion protocols of foetal bovine serum influence umbilical cord mesenchymal stromal cell phenotype, immunomodulation, and particle release (2023). Int J Mol Sci. In Press.

Wilkinson, H., McCarthy, H. S., Perry, J., Smith, T., Wright, K., & Cool, P. Genomic Sequencing to Diagnose Prosthetic Joint Infection in the Knee: A Case Report (2023). Cureus, doi.org/10.7759/cureus.38788.

Hulme C, Mennan C, McCarthy H, Davies R, Lan T, Rix L, Perry J, Wright KT. A Comprehensive Review of Quantum Bioreactor Cell Manufacture: Research and Clinical Applications (2023) Cytotherapy. In Press.

### Useful Web Links:

Centre for Regenerative Medicine Research:

<https://www.keele.ac.uk/research/ourresearch/pharmacyandbioengineering/regenerativemedicine/>

Oswestry Keele Orthopaedic Research group: <https://oskor.netlify.app/>

The Wolfson Centre for Inherited Neuromuscular Disease: <http://www.glenmorris.org.uk/>

**If you have anything that you would like included in the next Centre Newsletter, please email it to [karina.wright1@nhs.net](mailto:karina.wright1@nhs.net)**



University Hospitals  
of North Midlands

NHS Trust

The Robert Jones and Agnes Hunt  
Orthopaedic Hospital

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