



Shangaris Group at King's
College London Optimises
Sample Management,
Productivity, and Data
Integrity with eLabJournal

"[eLabJournal] made things much easier with collecting and tracking samples in liquid nitrogen, and easier to have a safe location to keep the data from the experiments. [It's] easily accessible for users at any time or from any place. 10/10 rating."



Dr Panicos Shangaris

Clinical Senior Lecturer and Consultant in Maternal and Fetal Medicine

About Shangaris Group at King's College London

Established in 1829, King's College London (KCL) is a prestigious university with over 33,000 students from 190 countries worldwide. The institution is renowned for providing exceptional education and conducting cutting-edge research. Within the Faculty of Life Sciences and Medicine, Dr Panicos Shangaris, a Clinical Senior Lecturer and Consultant in Maternal and Fetal Medicine, is the head of the Shangaris Group under the Peter Gorer Department of Immunobiology and the Department of Women and Children's Health, which is dedicated to advancing prenatal therapy and pregnancy immunology.

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Learn more about their research:

- *Prenatal ThERapy for Sickle Cell disEaSe (PERICLES)* <https://www.kcl.ac.uk/research/pericles>
- *Regulatory T Cells in Pregnancy Adverse Outcomes (Rutepo)* <https://www.kcl.ac.uk/research/regulatory-t-cells-in-pregnancy-adverse-outcomes-rutepo>



Goal

To continue researching prenatal therapy and pregnancy immunology and expand the research group.

Challenge

| Optimise sample management process

The Shangaris Group encountered obstacles in managing a growing volume of research samples, as they needed a comprehensive digital lab management system. This led to difficulty tracking the samples, creating additional work for the team. An Electronic Lab Notebook (ELN) that offered ease of use and security was a top priority. Additionally, the team sought to integrate barcode scanners to streamline the scanning process while complying with GDPR.

Solution

| A User-friendly platform and integrated barcode scanners make sample storage easy

When the Rutepo project commenced, the group identified eLabJournal, an Electronic Lab Notebook with a user-friendly interface and unparalleled security measures, as the ideal platform for tracking their project's samples. By implementing this new tool, the team has streamlined their sample management process and can confidently ensure GDPR compliance through a complete audit trail. The integration of eLabJournal into their lab workflow was seamless and took only an hour, thanks to its smooth integration.

"Before implementing eLabJournal, other methods were not explored, and this decision seemed to have paid off, given the notable advancements in productivity and data integrity observed."

-Dr Panicos Shangaris

Result

| Accelerated productivity and data integrity

Shangaris Group uses eLabJournal to effortlessly track the import and lifecycle of 2,957 cryovials and 2700 samples, including blood and PBMC. The time taken to scan and record details of each sample has been substantially reduced, resulting in invaluable time savings per sample and ensuring accuracy and reliability in the documentation process. Thanks to eLabJournal, the team of three members can work together seamlessly, as they can easily access and review samples and the work of their colleagues.



About eLabJournal

eLabJournal offers an intuitive and flexible solution to manage information in your lab. The all-in-one Electronic Lab Notebook also includes sample tracking and protocol management modules. eLabJournal improves efficiency when documenting, organising, searching, and archiving data, samples and protocols. The software is suitable for any lab ranging from small academic laboratories and start-up companies to large academic institutes and globally operating companies.



Europe, Africa and Asia

Kieler Bocht 9E
9723 JA Groningen
The Netherlands

✉ enquiries@elabnext.com
☎ +31 50 720 00 55

UK and Ire

9 Hills Rd
Cambridge CB2 1GE
United Kingdom

✉ enquiries@elabnext.com
☎ +44 122 362 2422

Australia/Oceania

c/o The Commons
Level 1, 285A Crown St
Surry Hills, NSW 2010

✉ enquiries@elabnext.com
☎ +61 2 9466 9190

North America and South America

1208 Massachusetts Ave, Suite 3
Cambridge, MA 02138
USA

✉ enquiries@elabnext.com
☎ +1 617 665 5391

100 Crossing Blvd, Suite 110
Framingham, MA 01702
USA

✉ enquiries@elabnext.com
☎ +1 617 665 5391

326 Mira Loma Ave
Glendale, CA 91204
USA

✉ enquiries@elabnext.com
☎ +1 617 665 5391

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