



Aiom
AI IN ORTHOPAEDICS
& MUSCULOSKELETAL
Annual Conference 2026

HACKATHON 2026 INFORMATION PACK



2026 Hackathon Overview & Guidelines.

AIM - To design a project that would lead to a potential improvement in the efficiency of your country's healthcare system for MSK patients.

REGISTRATION OPEN UNTIL Now
- 1 August 2026

SUBMISSION CLOSE
1 October 2026

BEST SUBMITTED SOLUTIONS
ANNOUNCED
15 November 2026

THE TEAMS WITH THE BEST
SOLUTIONS, WILL BE INVITED TO
PRESENT AT THE CONFERENCE
December 2026

DATA RIGHTS

License: all data and information used must be available in public domain only. No copyright or patient identifiable / un-ethical material to be used.

Team Data Protection: All scripts/code and results should be shared together before the deadline 1 October 2026 attached to one email. Examples and description of entries to be presented clearly in the form of pdf.

TEAM MEMBERS' CONTRIBUTIONS

- Team lead must be identified within the team at the time of final submission of the entry in the email mentioned above.
- Team members' contributions must be disclosed at the time of final submission of the entry in the email mentioned above.



Submission Requirements & Evaluation Criteria...

CORE SUBMISSION

Model & Inference Code

Python (or equivalent) code to run analysis and generate results in a Jupyter notebook.

Documentation

Document (e.g. text document, slide deck, etc.) to describe analysis, results, interpretation, conclusions, strategy for clinical implementation, and how to run the code.

ADDITIONAL FILES

Environment Info

List of libraries and packages, setup details, and additional items necessary to run the Jupyter notebook (e.g. a fix seed).

List of team members and their contribution.

EVALUATION METRICS

Understanding of the problem statement (1-10).

Quality of the proposed solution and results (reviewers must be able to reproduce the results) (1-10).

Capability to describe implementation of the solution in the clinical setting (1-10).

Creativity and Business Acumen: how innovative by leveraging existing data sources and how it creates value to surgeons and patients

BEST PRACTICES

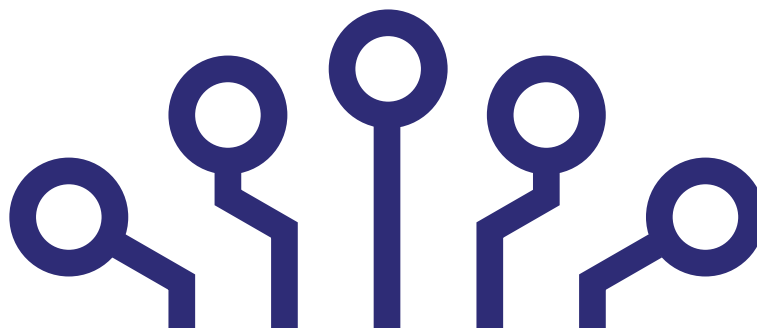
- Start with a working baseline model and show the methodology for iterative improvements.
- Include the output of intermediate steps taken (such as graphs, performance tables, etc.).
- Ensure reproducibility of your solution.
- Incomplete or corrupted submissions will be rejected.

THE REVIEWERS

- The committee of reviewers will include coders, computer data scientists, clinicians and industry representatives
- Each reviewer will independently appraise each entry and provide their evaluation using the evaluation metrics described above.
- The average of all the reviewers' evaluations for the same entry will be used to rank all entries and determine the two best solutions.

KEY NOTES

- The competition is open to anyone, but it is anticipated that the groups will include clinicians, data scientists and other related experts.
- The team must decide what the focus of their study should be within the confines of the data that is available.
- The Data that forms the basis of any study has to be sourced from data in the public domain. Any data that comes from another source must be accompanied by written consent and /or to be authorised for use in the project.
- Evidence of coding using Python or some such programme is essential.
- The final presentation should include a business plan and where appropriate reference to diversity, ethics etc will need to be mentioned
- The system should be able to reliably obtain information from different data sources and must be kept up to date.
- Participants are free to decide how to assess performance of the proposed algorithm and data retrieval system.
- Information will need to be presented to end users in a clear manner.
- A business case describing adoption and roll out strategy is required.
- Participants will need to be prepared to present their tool in front of a panel on **1st December 26** and describe how they could commercialise their solution for the benefit of patients.
- **Submission deadline for your solution: 1 October 2026** by email to samuel@clockwork-uk.com
- **Questions about this competition should be directed to** samuel@clockwork-uk.com





AiOM

AI IN ORTHOPAEDICS & MUSCULOSKELETAL

[VIEW THE MEETING WEBSITE](#)

CLOCKWORK
MEDICAL

CLOCKWORK MEDICAL
6 Bentinck Avenue Tollerton Nottingham NG12 4ED
01949 843900 07930 450495 07851 630122
www.clockworkmedical.com

Accredited by



Royal College
of Surgeons
of England