

Redistributed Manufacturing in Healthcare Network (RiHN)

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Maximising UK competitiveness through a new agenda for healthcare manufacturing research

RiHN Team Members



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RiHN

Bringing together relevant parties to represent their interests, identify opportunities and shape the future landscape for RDM in healthcare

Individual

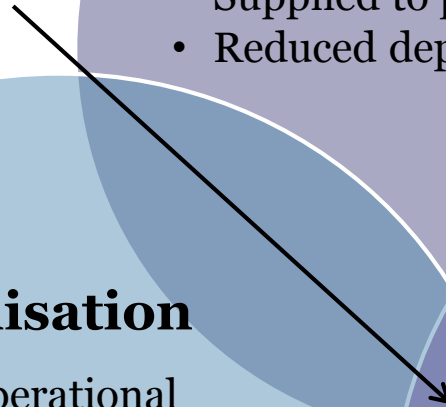
- Improved efficacy through customisation
- Higher quality products
- Supplied to point of use
- Reduced dependency on travel

Organisation

- Reduction of operational overheads (scale-out c.f. scale-up)
- Move from forecasting to responsive supply networks
- Make-to-order and better tracking
- Improved capacity management
- Resilient supply chains
- Transparent supply chains

Society

- Build on knowledge based economy to deliver new patterns of training
- Enhance competitiveness of UK manufacturing, differentiating it from the mass production of other economies



The Network

Involves Leading Research Centres across disciplines e.g.

- EPSRC Centre for Innovative Manufacturing in Medical Devices
- EPSRC Centre for Innovative Manufacturing in Regenerative Medicine
- ESRC Enterprise Research Centre
- Arthritis Research UK Tissue Engineering Centre
- Horizon Digital Economy Research Centre

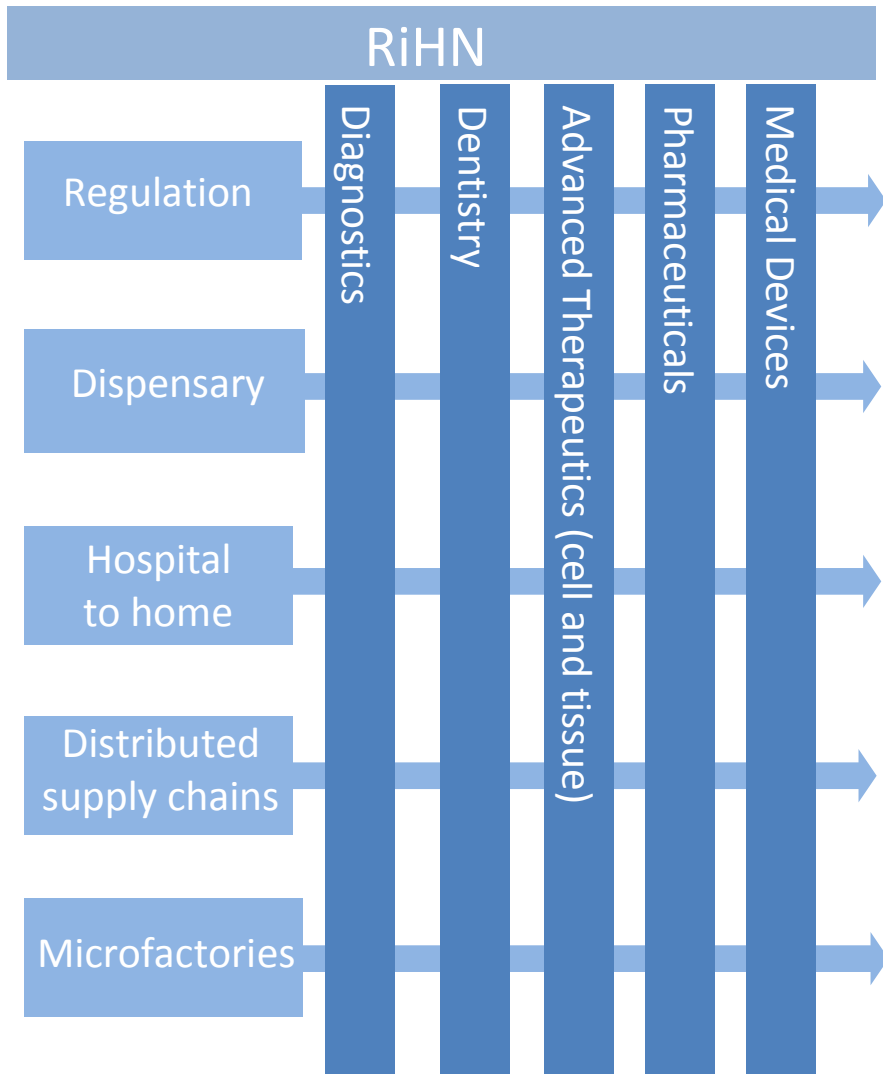
Engaging with Manufacturing & Clinical Leaders e.g.

- Smith & Nephew Research Centre, York
- Ceramysis
- Surgical Innovations
- Academic Health Science Networks
- Institute for Manufacturing

Working across the UK Innovation System e.g.

- Medicines and Healthcare Products Regulatory Agency
- Medilink East Midlands Supply Chain SIG
- EPSRC CIM Medical Devices
- Cell Therapy Catapult

RiHN - Creating the research landscape



- Aims to set out the research landscape for RDM in healthcare
- Two initial scoping workshops early 2015:
 - Sandpit 1: Medical devices, diagnostics and dentistry
 - Sandpit 2: Pharmaceuticals and advanced therapeutics
- Research landscape will be developed from the output of these studies and workshops.
- Interdisciplinary team engaging with key sector stakeholders

Objectives

- Identify opportunities for RDM to make healthcare solutions more available/affordable
- Stimulate collaboration and knowledge transfer between relevant Academic-Industry-User communities
- Understand the skills and training requirements for RDM in healthcare
- Develop the research agenda for RDM in healthcare through engagement with relevant academic and user communities

Approaches



Collective vision of the research necessary to position the UK at the forefront of healthcare manufacturing



RiHN

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