



# Cyclops Healthcare Network

(Closed loop control systems for optimisation of treatment)

EPSRC Network Plus

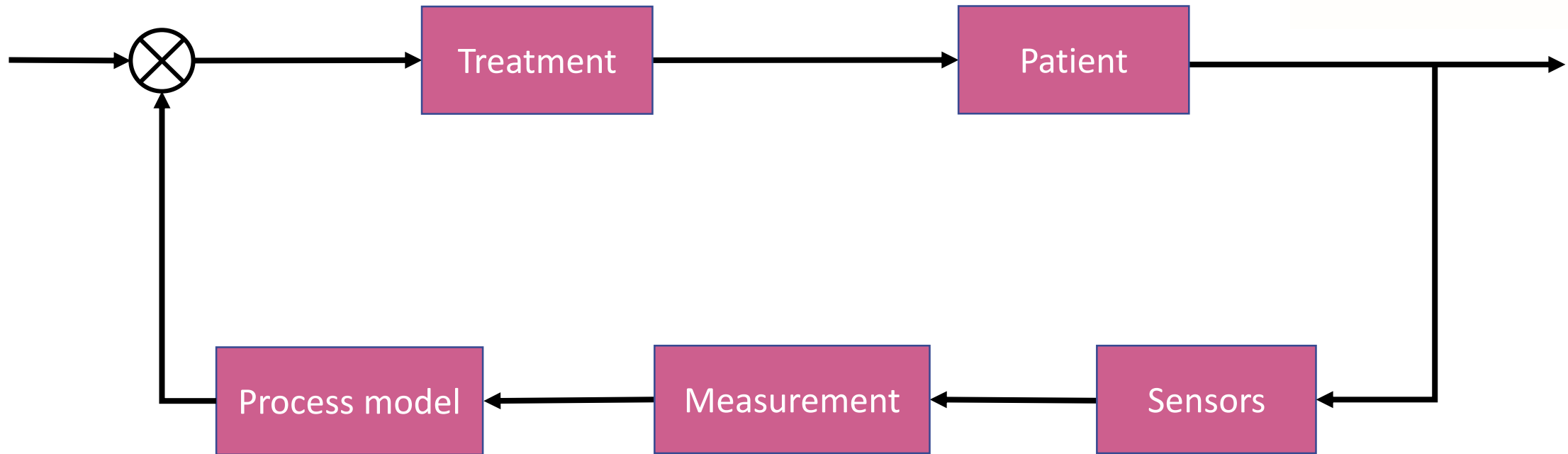




# Aim of the network

***Treatment that is optimised and personalised to the individual patient to improve outcomes across a range of medical conditions.***

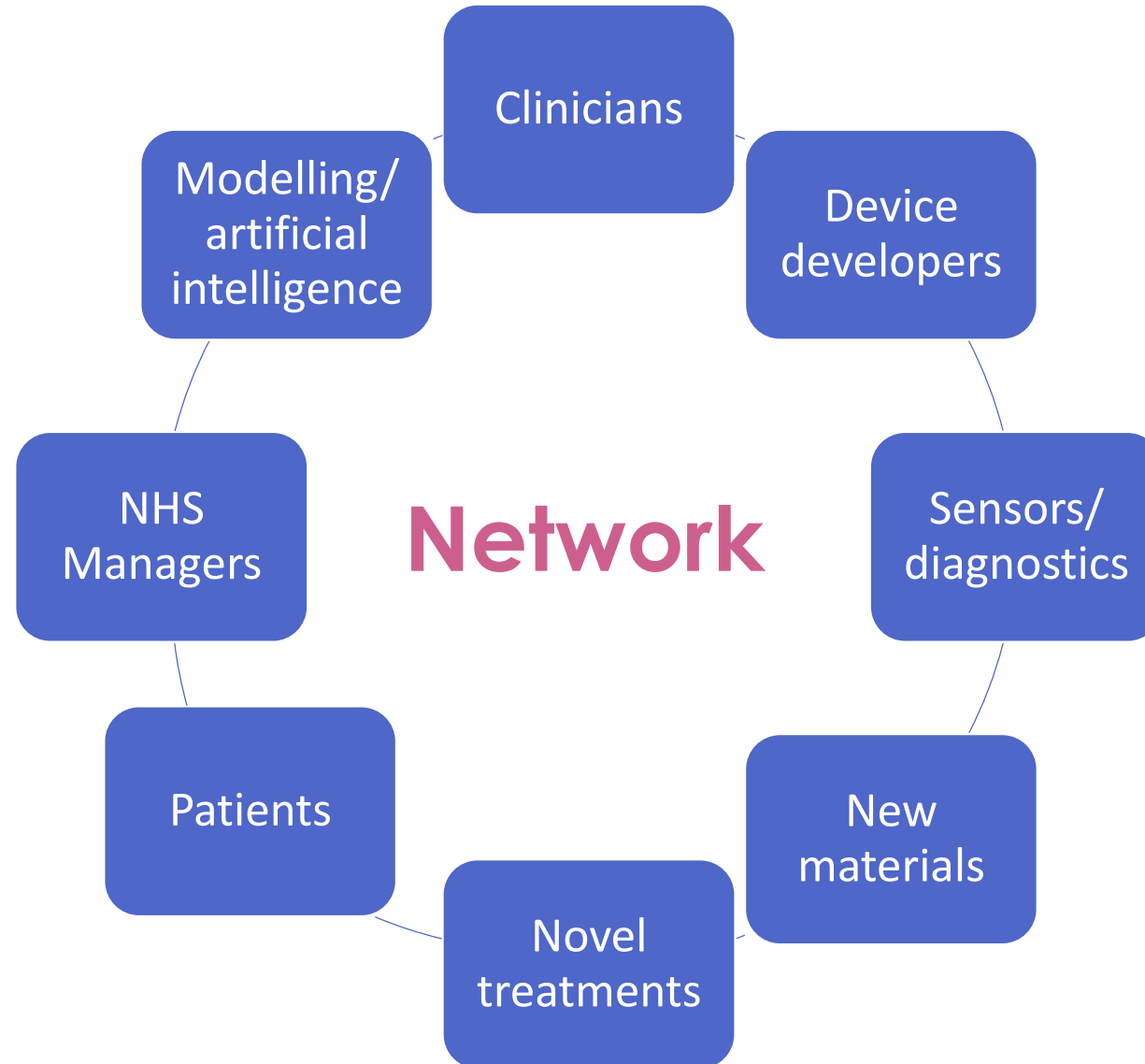
# The closed loop approach



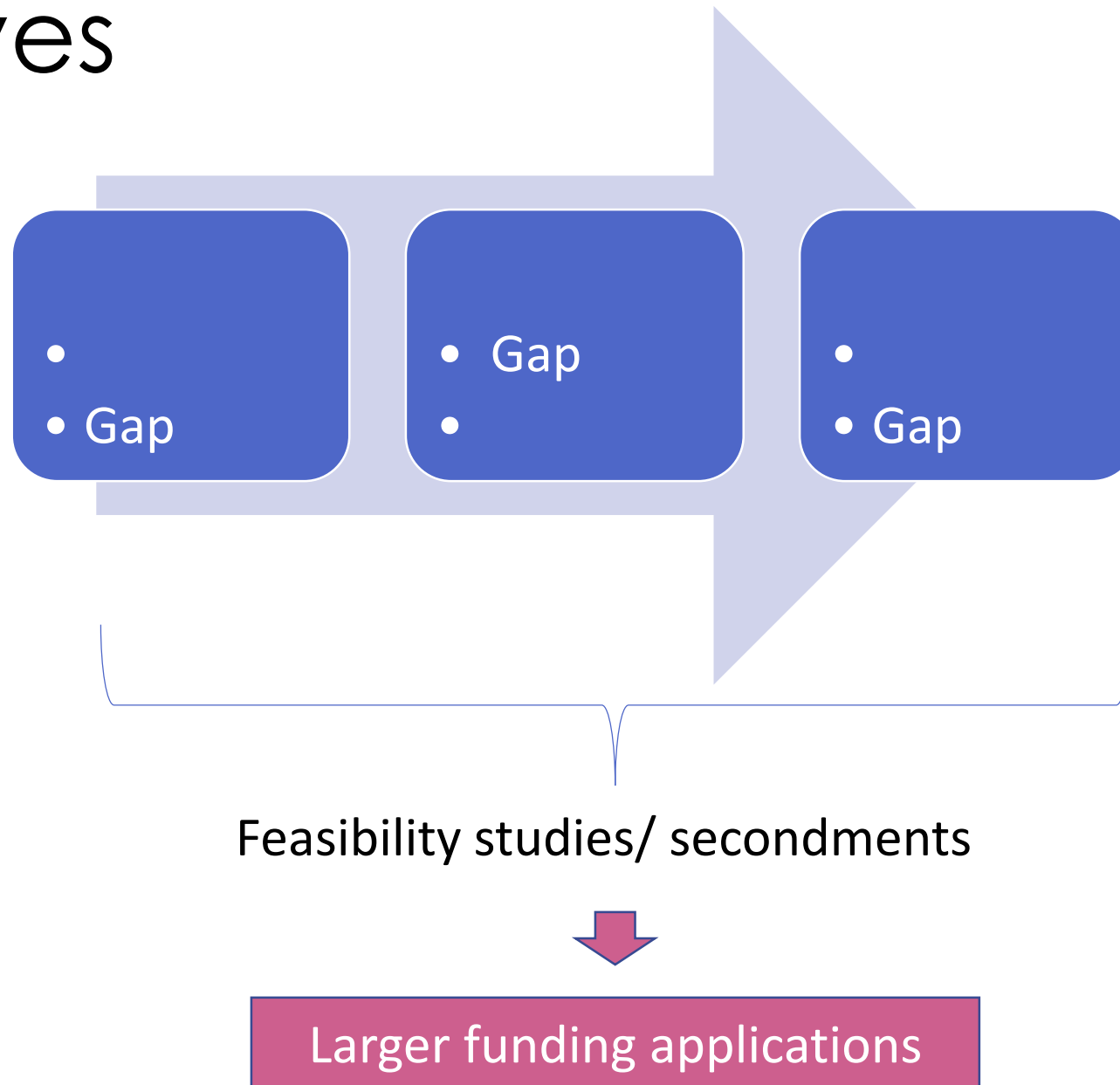
## Clinical areas

- i) critical care;
- ii) chronic wounds;
- iii) cancer treatment.

# Objectives



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# Feasibility studies Worskhop 1



- 6 proposals submitted (3 funded); achievements of funded proposals to be presented on **Day 2**.
- Proposals aimed to address gaps identified during Workshop 1.
- It was noticed that **automation** or vision on how proposed solutions can lead to automation in treatment wasn't fully addressed.
- **Workshop 2** and feasibility studies ideally focus on **automation** in treatment.

# Attendees

- 11 clinicians/clinical academics – 4 NHS Trusts
- Representatives from 21 universities
- 7 patient representatives and healthcare translation services

Network has grown from 80 to 120 members including 2 international guests



# Workshop: Day 1



- Emphasis on futuristic and realistic solutions: Keynote addresses the use of artificial intelligent solutions to make differences in healthcare.
- Clinicians set the scene and put Cyclops clinical areas into context.
- **Breakout sessions.** Delegates spend 45 minutes exploring research challenges in creating futuristic and realistic clinical technologies to address cancer, chronic wounds and critical care.
- **Pitching to your table** - Delegates will each have the opportunity to talk about their ideas for closed loop approaches to treatment and offer expertise to network members.



# Workshop: Day 2



- Updates from **Cyclops feasibility study grant** holders
- How **CHEATA** can support Cyclops proposals
- **Launching call for proposals for feasibility studies and proof-of-concept ideas.**
- **Project outlines** – Groups will be invited to present a brief outline of their concepts /proposals for closed loop approaches to treatment.