

# **Point-of-Care Center for Emerging Neurotechnologies (POC-CENT)**

**A new and novel funding opportunity for early stage device development.**

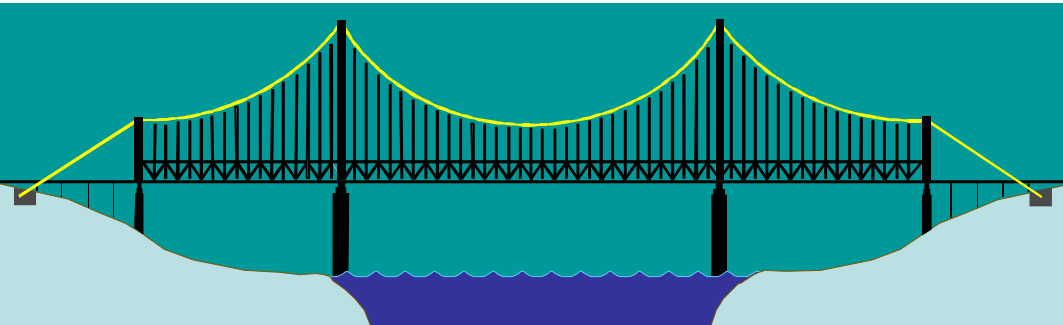
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Cincinnati, OH**

# POC-CENT Focus

- ❑ The Cincinnati POCT Network Center; **Point of Care Center for Emerging Neuro Technologies (POC-CENT)** is focused on the development of Point-of-Care technologies that will significantly impact patients experiencing neurologic based diseases and disorders.
- ❑ Our Center builds on our significant local expertise in the areas of:
  - Neurology Focused Biomedical Research.
  - Neurosurgery and Neurologic Focused Emergency Medicine.
  - Engineering Expertise.
  - Medical Product and Device Development.
  - Entrepreneurial excellence and technology transfer.

# What we do

- ❑ We will continue to develop new point of care technologies.
  - The primary device that is funded in the parent grant (has been peer reviewed).
- ❑ **We will solicit and fund future projects that fit in our remit.**

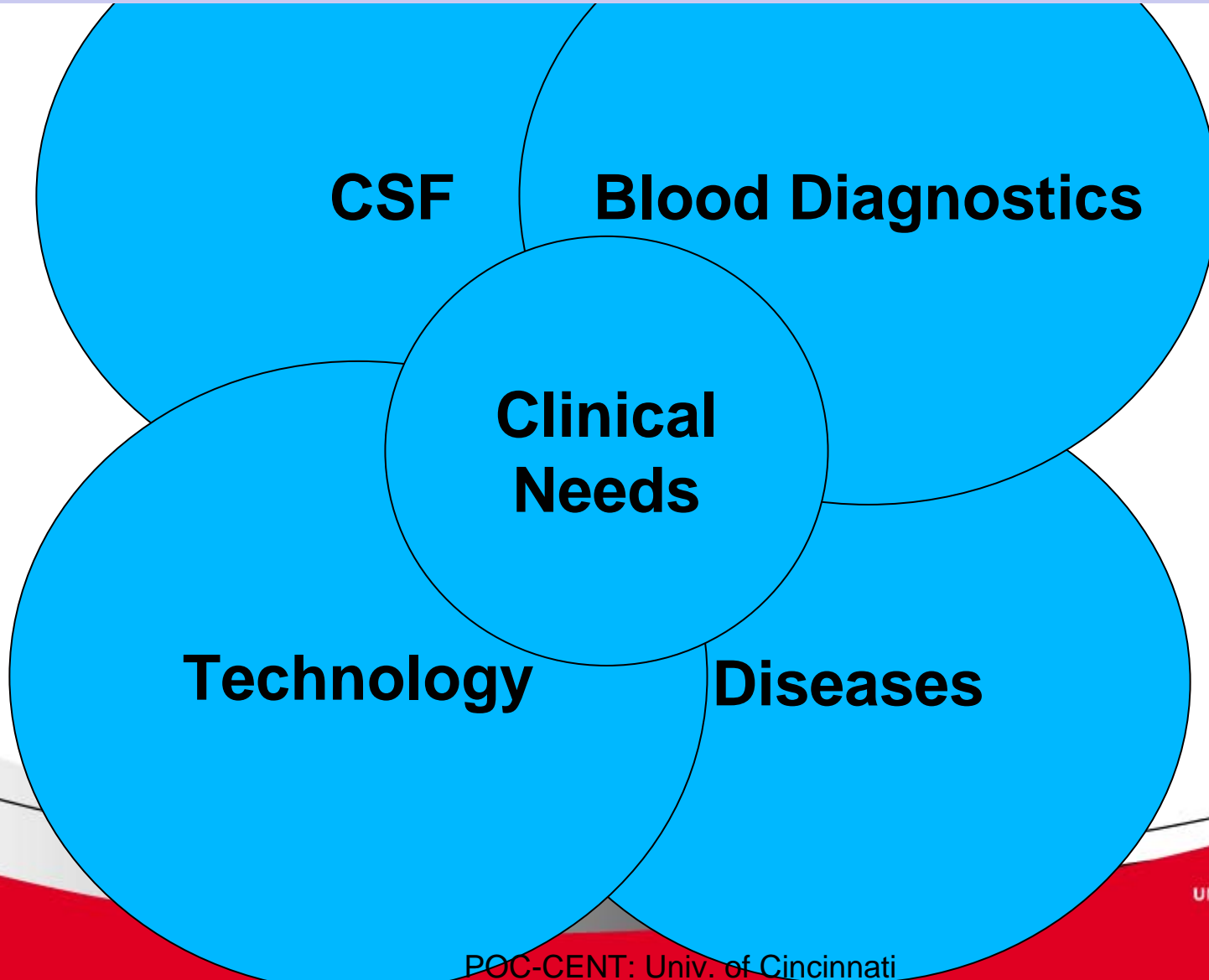


**Bridging Disciplines**

# Our Remit

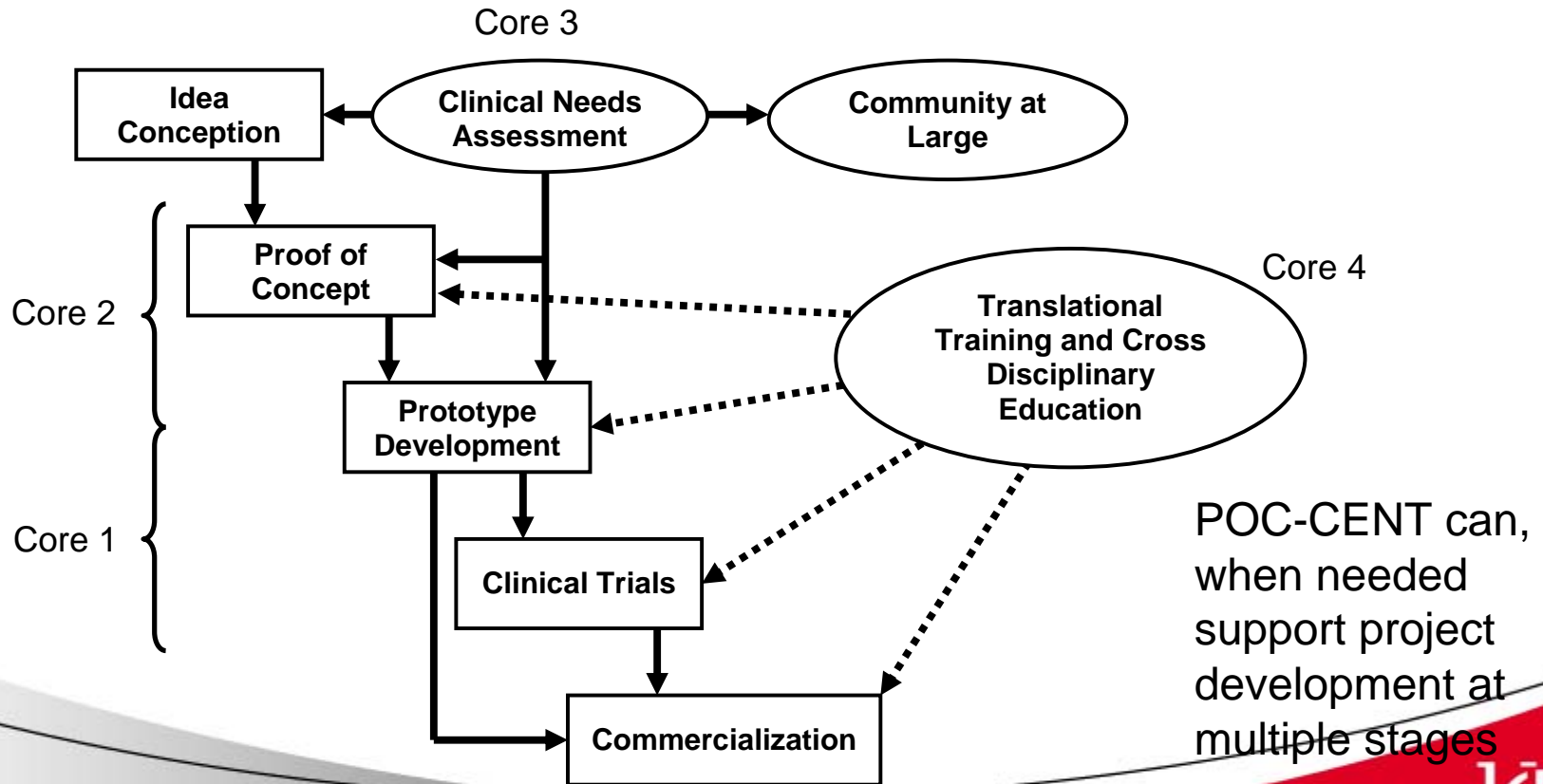
- ❑ Point of Care Diagnostic Devices that provide information during a neurologic emergency.
  - POC is defined as rapid or more rapid response time.
  - Neurologic emergency is defined any time information is needed quickly.
  - Blood, saliva, and CSF are all diagnostic modalities are fair game.

# Characterization of Clinical Needs

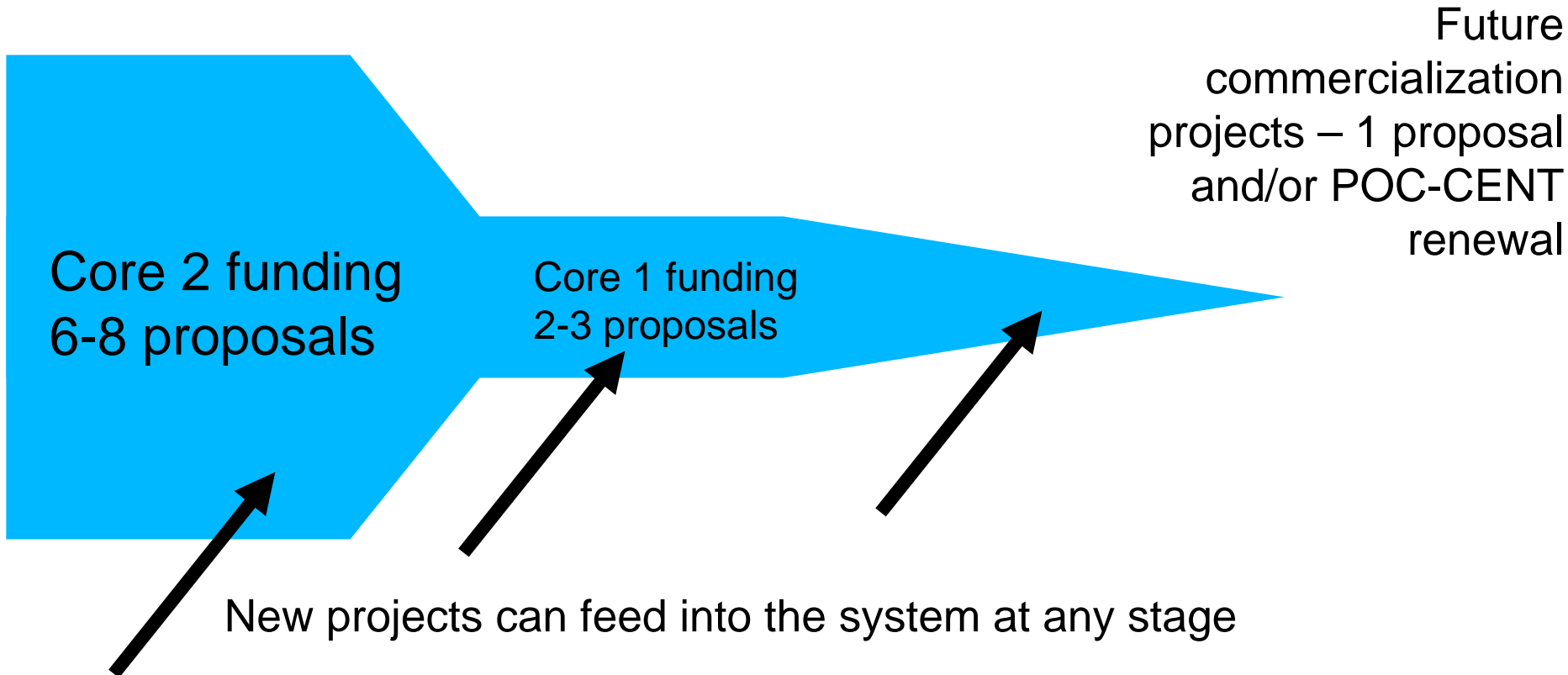


# POC-CENT: From Invention to Intervention

- The flowchart below illustrates our view of the development process for Point-of-Care devices
- Cores 1 – 4 support this development process.



# The Core 1 and 2 Continuum



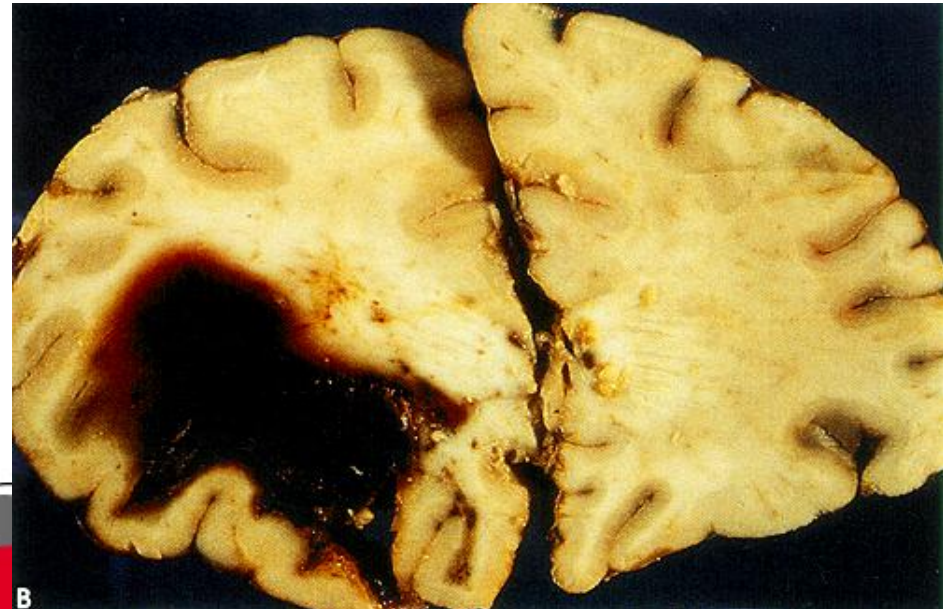
We will support projects to build a pipeline of technologies being developed

# Our Funding Process

The POC-CENT project funding process involves a number of critical steps:

- Clinical Needs Assessment
- Solicitation Development and Dissemination
- Project Proposal submission Process
- Proposal Review Process
- Post Funding Project Management

**Our project funding process is based on a process that has been funding exploratory research in the Cincinnati neuro community for the last 8 years**



# POC-CENT Services

- Funding; academics, entrepreneurs and companies.
- Milestone development.
- Grant review.
- Experienced translational teams.
- Experienced clinical teams.
- Experienced entrepreneurial teams.
- These are facilitative options.
- This is NIH funding – sub contract.

# Our Goal

- ❑ One of the goals of our center is through making and building bridges to collaborations.
- ❑ Ties to the NINDS are being explored
- ❑ We are dedicated to device development and commercialization.
- ❑ Other collaborations are welcome.
- ❑ Support the discovery, development and commercialization of technologies that will transform the diagnosis/treatment of patients facing neurologic related issues.

# POC-CENT Will Fund Projects

- ❑ POC-CENT has funding to support both Proof-of-Concept Investigations and Pre-Clinical Technology Validation.
  - Project funding in the range of \$25K - \$100K per year for up to 2 years.
- ❑ To be put on the mailing list for the solicitation please email us: Joe Clark ([clarkjf@ucmail.uc.edu](mailto:clarkjf@ucmail.uc.edu)) or Fred Beyette ([beyette@ececs.uc.edu](mailto:beyette@ececs.uc.edu))
- ❑ POC-CENT's solicitation should be released later this month with LOI deadline in May.
- ❑ OTHER OPPORTUNITIES.
  - There are 3 other centers in the NIBIB's network.
  - These focus on: parasites, women's health and STDs and disaster preparedness.
  - Email us if you want info on the above.

# POC-CENT FAQ

## Is your funding limited to diagnostic technologies?

Our funding mandate is for Point-of-Care technologies. We have defined that rather broadly to include any time that better/faster information is needed in the diagnosis/treatment of neurologic patients.

## Will you fund only UC work?

Our remit from the NIBIB is national in scope. We can and will fund projects from any organization in the USA.

## What should I do if I'm not sure if my idea is right for POC-CENT?

Talk to us. Even if we can not support it through POC-CENT, many of the people associated with POC-CENT are interested in working on cross-disciplinary projects. POC-CENT will be happy to facilitate connections between various researchers who have common interests and complimentary skill sets.

# Conclusions

- If you thought it was fun when entrepreneurs and scientists collaborated, wait until you try to have physicians, scientists, engineers and entrepreneurs collaborate.
- The NIH and NIBIB (funded this) want to make devices.
- If you see a clinical need or a business opportunity – email us at ([POC-CENT\\_Info@ececs.uc.edu](mailto:POC-CENT_Info@ececs.uc.edu)).

**Questions?**