



# Fetal innovation NAFTNet Committee



Established in 2021

## Members

Jose L. Peiro (Cincinnati, OH)

Chair



Darrell Cass (Cleveland, OH)

Bettina Paek (Seattle, WA)

Martin Walker (Seattle, WA)

Eyal Krispin (Boston, MA)

Raphael Sun (Portland, OR)





**Fetal innovation**  
NAFTNet Committee



## Definition

### Innovation

**A process of systematically evaluating and promoting innovation in surgery may be critical in the evolving practice of medicine.**

Challenges introducing  
new technology  
into a clinical setting

**REGULATION**

WITHOUT  
INNOVATION  
WE ~~CANNOT~~  
advance.



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# Innovation at all levels

### **Clinical Practice**

- New Procedures (open, fetoscopic, image guided surgery)
- New Instruments (medical devices, digital surgery, robotics)
- Practice Management
- New guidelines
- Cross-Specialty Synergies



### **Research on the Cutting Edge**

- Robotics
- Energy Sources
- Operating Room of the Future
- Materials and Prostheses
- Computer medicine and AI
- Biologic Investigations

### **Education**

- Surgical Training and Performance Metrics
- Surgical Simulation
- Telemedicine and telementoring
- Introduction of New Techniques and Technologies into Clinical Practice
- History of surgical innovation and innovators



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# Mission and Goals

- ✓ Update NAFTNet members and Centers about new technological advances in medicine that could have an application in the fetal diagnosis and therapy field.
- ✓ Promote innovative/disruptive ideas and projects (usually difficult to be initially funded by NIH agencies). Especial focus on Centers without significant resources or Laboratory settings.
- ✓ Give support to the “[Bill Polzin’s Seed Award](#)” (50k) to start Pilot projects and generate enough preliminary data to apply for official funding.
- ✓ Help to implement or test new technology in the Fetal therapy field by using NAFTNet networking and enhance multicentric studies.
- ✓ Be an “interface” with FDA. Help in regulatory processes.
- ✓ Ask large NIH GRANT to develop fetal surgery DEVICES/materials w/industry



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## Contact us

*We wait for  
Your   
Thoughts  
and proposals*

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