



INSPIRE – Who Are We?

INSPIRE, International Network for Simulation-based Pediatric Innovation, Research, and Education aims to improve the delivery of medical care to acutely ill children by answering important research questions pertaining to pediatric resuscitation, technical skills, behavioral skills, and simulation-based education. INSPIRE is a group of researchers, clinicians, and educators from across the globe, who work collaboratively to share their expertise and energy related to simulation in pediatric health care.

INSPIRE Goals:

1. Identify consensus research priorities
2. Facilitate single and multicenter research projects
3. Build expertise and knowledge
4. Provide mentorship for new / novice investigators
5. Promote an International Network for Simulation-based Pediatric Innovation, Research, and Education

Get involved in INSPIRE:

1. The INSPIRE Network has projects that may be of interest to you, your Department, or your institution as a whole (completed and ongoing). Visit the website (<http://inspiresim.com/>) to download files and webinars, and to get an in-depth look at the projects that are ongoing now. The INSPIRE Network meets annually during the International Meeting on Simulation in Healthcare (IMSH) and International Pediatric Simulation Symposia and Workshops (IPSSW) meetings.

2. If you are ready to join in an existing project that interests you, contact us at INSPIRESimulationNetwork@gmail.com and we will connect you to the PI to see how you and your institution can integrate into an ongoing study. In your email, please indicate:

- (1) Your area of research interest
- (2) The specific project(s) in which you would like to be involved
- (3) The capacity you are willing and able to contribute (eg. site investigator, video reviewer, expert consultant etc).

3. The INSPIRE Network provides consultation services from within the Network members as well as formal guidance throughout the study project lifecycle, from conceptualization and grantsmanship to logistical and publication support. These services can be accessed via the following link: <http://inspiresim.com/ongoing-studies/obtain-feedback/>



What does it mean to be an INSPIRE Project?

The INSPIRE Network has multiple committees and members to assist, cultivate, and collaborate in high-quality simulation-based research projects. The Network also has over 60 institutions worldwide through which collaboration can be achieved. There are two ways for you to collaborate with INSPIRE.

1. Obtain **consultative services** from the INSPIRE Network. This is useful if you have a smaller-scale or even a single-center study but requires some expert consultation to fine-tune the study protocol before it begins. This includes a one-time review of your study protocol with limited follow-up through one or more of the following:
 - a. Access to research experts in simulation, distance learning, psychometrics, human factors, and other facets within simulation-based research.
 - b. A feasibility analysis of your study protocol or grant proposal

Note: for Consultative services from the INSPIRE Network, the INSPIRE Network name and logo should be present as acknowledgment on presentations, posters, and publications. Poster and Powerpoint templates can be obtained by contacting the INSPIRE Scientific Review Committee at INSPIREsimulationnetwork@gmail.com.

2. Become an INSPIRE **principal investigator**. All investigators are welcome, even with no previous collaboration with the INSPIRE, POISE, or the EXPRESS Networks within your institution. Study protocols do not have to be multi-center or randomized-controlled trials (though those are encouraged) and both quantitative and qualitative designs are accepted. The process begins with a rapid but comprehensive review of your study protocol via the **ALERT (Advanced Look Exploratory Research Template)** process and - if accepted – will receive ongoing research and logistical support from the INSPIRE Network. This support contains the following elements:
 - a. A feasibility analysis through our Scientific Review Committee and Executive Committee. The study protocol will be reviewed with feedback and commentary on how to best translate your study protocol through the INSPIRE Network. Projects that carry the INSPIRE name should maintain a certain level of quality and thereby will need to carry approval from different committees. This in turn will provide the advantage of giving your project several dimensions of expert review and guidance.
 - b. The PI will have an opportunity to present the study protocol during a brief presentation (ALERT) at an in-person meeting (IMSH or IPSSW) for feedback from a larger group. This also provides opportunities to meet INSPIRE committee members and site directors who may become part of your study.
 - c. Accepted protocols will undergo continuous feedback and guidance through the Executive Committee.
 - d. If needed, accepted protocols will undergo review and feedback from the Technology Committee and other consultative experts.



Summary of the Benefits and Expectations of Involvement With the INSPIRE Network:

- a. INSPIRE will provide the following:
 - i. Ongoing review and feedback of the study protocol, including explicit authorship plans for larger-scale and multi-center studies
 - ii. Access to other INSPIRE investigators who will be able to serve as collaborators or site investigators
 - iii. Access to research experts (psychometrics, human factors, etc)
 - iv. Access to the online research portal
 - v. Logistical support (project dependent)
 - vi. Letters of support to funding agencies (if needed)
- b. You and your team will provide:
 - i. Continued annual and biannual reviews to the INSPIRE Executive Oversight Committee
 - ii. A budget line of 0.1 FTE or greater for administrative support in all grant proposals surrounding your study protocol
- c. The Manuscript Oversight Committee is available to provide feedback and support during the writing phases of the study protocol
- d. Academic output from the study protocol will include the following:
 - i. Recognition of INSPIRE in the byline for all posters, presentations, and publications (e.g. - Auerbach M, Kessler D, and Cheng A *for the INSPIRE Network*)
 - ii. The INSPIRE Network name and logo should be present as an acknowledgment on presentations, posters, and publication (unless not permitted by the journal or venue) . Logos can be obtained by contacting the INSPIRE Scientific Review Committee at INSPIRESimulationNetwork@gmail.com.
 - iii. An INSPIRE poster or presentation template for national and international conferences. These can be obtained by contacting the INSPIRE Scientific Review Committee at INSPIRESimulationNetwork@gmail.com.

3. Become an INSPIRE *site investigator*

The INSPIRE network has various multicenter studies that are in different stages of the research process. For those that are still in development, you have an opportunity to become a site investigator for a multicenter simulation-based study. Please visit the INSPIRE website for a list of new and ongoing research projects. Suitability to become a site investigator is dependent upon several variables, including (but not limited to):

- a. Material resources (eg. equipment and technical) needs for the project
- b. Inclusion and exclusion criteria of subjects



- c. Sample size
- d. Human resource needs (eg. expertise in a particular area such as human factors)
- e. Prior experience in simulation-based research
- f. Track record with INSPIRE as an investigator



The INSPIRE ALERT Submission Process

- a. Calls for ALERTS will be opened in September and January for INSPIRE at IMSH and INSPIRE at IPSSW respectively.
- b. Visit the ALERT Presentations page online at <http://www.INSPIRESim.com/alert-presentations/>. This page will contain instructions, templates, and examples of completed ALERT submission.
- c. Once your proposal is complete, send your ALERT to INSPIRESimulationnetwork@gmail.com, this will send your protocol to the Scientific Review Committee for assessment and comment. You should receive feedback within 8 weeks.
- d. If accepted, you will be invited to present your study protocol in-person at either IMSH or IPSSW, depending on the date of submission.
- e. After presentation, other Committees will become active in reviewing the protocol and providing guidance and support as needed.
- f. A two-way contractual agreement will then be made. This is to ensure the quality of your study as well as continued INSPIRE involvement. A designated INSPIRE Network liaison will be assigned to your study to help facilitate continued communication and support
- g. A study protocol, grant proposal, presentation, and publication timeline will be finalized with the INSPIRE liaison.
- h. INSPIRE will provide needed methodological support and guidance through the online portals as well as logistical support to help achieve the timeline goals.
- i. PIs who choose to cede the study protocol or can no longer provide the time commitment can allow INSPIRE to reassign study personnel, including a new PI or co-PI if needed. This will be stipulated in the contractual agreement.

The INSPIRE Research Consult Requisition Process

- a. Researchers can request consults with INSPIRE experts via the following link:
<http://inspiresim.com/ongoing-studies/obtain-feedback/>
- a. You will be asked to compose a brief description of the specific study, question for consultancy, and to specify the role you wish INSPIRE to play.
- b. These requests will go to the INSPIRE Scientific Review Committee, who will respond to you within 4 weeks.
- c. The Scientific Review Committee will then assign a mentor/consultant based on the nature of the request and set up an initial time for discussion.
- d. Those desiring longer-term assistance or involvement past the initial consultancy period will be asked to submit a full ALERT presentation.