

To celebrate and promote innovative research, we sponsor an annual awards program open to graduate students and postdoctoral fellows.

Baxter touches the lives of millions of people around the world every day. Our products and therapies can be found throughout hospitals and clinics – from the ER to the OR, from the pharmacy to the ICU – as well as advancing patients' care in their homes. Our global footprint and the critical nature of our products and services play a key role in expanding access to life-saving and -sustaining healthcare, while maintaining our commitment to advancing the next generation of medical breakthroughs.

In this spirit, Baxter's Young Investigator Awards seek to stimulate and reward research applicable to the development of therapies and medical products that save and sustain patients' lives. We invite current graduate students and postdoctoral fellows in North America to submit descriptions of ongoing research. The Baxter Young Investigator Awards program consists of two tiers: first-tier awards include a \$3,000 cash prize and an onsite visit to Baxter to present the award-winning research; second-tier awards receive a \$500 cash prize and are granted based on the merit of the research.

Scope & Criteria of the Awards

Applications for BYIA must describe high quality research in areas that are relevant to Baxter's [portfolio](#). Technological (engineering and applied scientific) innovations will be also considered, as long as the innovations are applicable to the advancement of Baxter's products.

Applications will be evaluated based on the following criteria: a) relevance to Baxter's portfolio; b) scientific excellence, creativity and novelty; and c) addressing unmet scientific and technological needs.

Applications in the following areas will be considered for the BYIAs:

- ◇ **Medication Delivery, Acute Therapies, and Clinical Nutrition:** Novel technologies that reduce or eliminate risks associated with intravenous infusion therapy. Therapeutic devices that support failing organs in critical care settings, specifically the intensive care unit. Diseases of interest include, but not limited to, acute kidney injury, liver failure, lung dysfunction, acute heart failure and sepsis. Parenteral (novel drug compounds) and enteral (specialty formulas and devices) nutrition, NICU (novel pharmaceuticals, devices, human milk analyzers, feeding diagnostics, any device or drug or supplement which can help improve the nutritional status of a neonate or enhance its ability to grow and thrive), Monitoring and Diagnostics (enteral intolerance detection, calorie and protein intake, body composition).
- ◇ **Pharmaceuticals:** Novel packaging and delivery technologies, differentiated generic pharmaceutical formulations, novel analytical test methods for pharmaceuticals, improved pharmaceutical compounding processes and

methods, drug formulations that use safe complexation technologies to stabilize drugs in solution.

- ◇ **Renal Care:** Broadly, technology solutions that address the needs of patients with chronic kidney disease (CKD), pre-dialysis and on-dialysis. These solutions include predictive digital tools, home-based diagnostics, noninvasive remote monitoring and wearable devices. Novel approaches that drastically increase the quality of life and reduce the burden on dialysis patients (home or in-center).
- ◇ **Advanced Surgery:** Novel tissue sealants, hemostatic agents, biomaterials, and other technologies/devices to improve surgical outcomes by addressing problematic bleeding, promoting wound healing and tissue repair, and/or preventing post-surgical complications.
- ◇ **Front Line Care:** Novel technology that improves outcomes for patients through intelligent diagnostics and connected care. Product categories of interest (see examples from the Hillrom and Welch Allyn brands) include physical exam and diagnostics, diagnostic cardiology, vision screening and eye diagnostics, patient monitoring, non-invasive ventilation, and airway clearance. Technologies of interest may enable earlier diagnosis, accelerate patient recovery, or shift care closer to home.
- ◇ **Care Solutions:** Use of automation to reduce nurse fatigue, optimizing nurse workflow with connected care in the ICU and medical surgical floor, ways to improve nurse safety with connected care.

Ways to reduce data overload for clinicians (the right data at the right time), early detection of deterioration in patients who are incorrectly believed to be healthy, novel wearable and non-contact devices for patient monitoring in the medical surgical floor and ICU, best practices for collecting data from connected devices within hospital for the purpose of industry algorithm development, novel algorithmic approaches for recognizing health related trends in historic patient data from EMR (other sources) using Natural Language Processing or other, improve patient charting workflow using natural Language Processing, application of AI for predicting patient health during hospital journey (from entry to exit), application of machine vision for monitoring patient wellbeing, applications of machine vision in the OR for improved patient safety, benefits of vision systems in the OR, ICU, medical surgical floor, NICU, novel non-intrusive methods of home health monitoring, Optimizing a “smart bed” platform to care for patients (e.g. embedded sensors), practical applications of utilizing a bed platform for providing a therapy within the hospital, early detection of a patient about to fall from hospital bed, novel algorithm for reducing alarm fatigue, novel applications to reduce pressure injuries in the hospital environment.

Research Description

Research abstracts should clearly and concisely demonstrate relevance to Baxter’s portfolio and should not exceed two pages (including figures, tables and references).

In addition to the application, the applicant's scientific advisor should submit a cover letter that confirms the student's enrollment or postdoctoral status. The letter should detail the applicant's specific contribution to the research, distinguishing it from the efforts of other supporting team members, and establish the significance of the contribution to its relevant scientific discipline. Although the cover letter should be concise, the scientific advisor is welcome to include any unique circumstances which may be relevant to the applicant's contributions.

Eligibility

- ◇ All applicants must be currently enrolled graduate students or postdoctoral fellows in North America at the time of submission and must be primarily responsible for the research described.
- ◇ All 1st tier award recipients must commit to orally presenting their results at the annual Baxter Young Investigator Awards ceremony, which will be held in early November at Baxter's campuses located in Northern Illinois.

Details & Conditions

The presentation will be recorded and then broadcast at a later date to Baxter's worldwide facilities. Some content may be made public through Baxter's website or through other channels.

Baxter will cover the cost of travel to and from the awards ceremony for all 1st tier award recipients plus one companion, as well as the cost of accommodations for the nights before and after the ceremony for those traveling from outside of the Chicago area.

Application Deadline

Research abstracts, resumes, and cover letters must be submitted via the online submission system (see link below) by no later than **June 30, 2022**. Incomplete application submissions will not be considered for awards.

- [Baxter Young Investigator Awards Application](#)
- [Advisor Approval and Letter of Recommendation](#)

Past Winners:

- [2021 Baxter Young Investigator Award Winners](#)
- [2020 Baxter Young Investigator Award Winners](#)
- [2019 Baxter Young Investigator Award Winners](#)
- [2018 Baxter Young Investigator Award Winners](#)
- [2017 Baxter Young Investigator Award Winners](#)

Need Assistance? Contact us at YoungInvestigatorAwards@baxter.com