



## **2020 Patient-Centered Clinical Research Young Investigator Award \$50,000 for one year**

### **Purpose of Award**

This Award is intended to support the development of outstanding research scientists and clinical cancer research investigators who have demonstrated a commitment to improving the understanding, treatment, and experience of bladder cancer. Investigators must be working in a research environment capable of supporting transformational *patient-oriented clinical bladder cancer research* (e.g. studies of access to care, quality of care, quality of life, health disparities, and patient-centered outcomes research).

Applications will be judged on the quality of the applicant's research plan and the resources and environment available to the applicant. This includes the ability of the primary mentor and relevant department to provide appropriate guidance and protected time during the Award period. It is the policy of BCAN not to provide indirect costs to the grant recipient's institution.

### **Eligibility**

1. At the time of submission, the applicant must be within six years following completion of a professional degree such as MD, PhD, MD-PhD, MPH, or equivalent or clinical training such as residency or fellowship. The applicant may hold the title of Senior Postdoctoral Fellow, Instructor, Research Associate, Assistant Professor or equivalent. At the time of the start of the grant, the applicant cannot hold the title of Associate Professor.
2. The project must be bladder cancer-specific (including upper tract urothelial carcinoma).
3. Applicant must be from a US or Canadian sponsoring academic, nonprofit or governmental institution. Proof of permanent resident status or a valid work visa is required if the applicant is not an American or Canadian citizen.

4. Applicant must have a mentor within or approved by the sponsoring institution. The mentor must assume responsibility, ensure protected research time and provide guidance for the research. The sponsoring institution must ensure institutional support for the research. Although mentors who have specific knowledge and experience in bladder cancer are encouraged, in instances where the mentor lacks bladder cancer experience, additional collaborator support from experts in the bladder cancer field are strongly advised. The applicant can have collaborators from outside institutions. Applicant must submit a letter of approval from their institution should they wish to have a mentor from an outside institution.
5. BCAN will not discriminate based on gender, race, ethnicity, creed, religion, sexual orientation, disability, nationality, age or any other factor irrelevant to the quality of the application.
6. Applications involving human participants must receive approval from their Institutional Review Board (IRB). Documentation of IRB approval must be provided to BCAN prior to distribution of the Award.
7. Applications should include research milestones for the conclusion of the grant.
8. Prior BCAN Young Investigator Award winners are not eligible to apply for this award.
9. BCAN will accept only one proposal from each applicant.

### **Application Components:**

**1. Assurances page.** The applicant, mentor, and institutional signing official must sign and date the Assurances page. The application is considered incomplete if this page is not complete. Note: proposalCENTRAL creates a signature page at the end of the proposal process. This can be retained for your files. You do not need signatures for the proposalCENTRAL generated page.

**2. Lay abstract (2000 characters).** The lay abstract should describe the proposed research in terms readily understandable to the general public. BCAN may use this information in press releases, Award announcements and to provide information to the general public regarding its Awards program. A statement regarding the applicability of the research in addressing important bladder cancer patient-centered priorities is required.

**3. Technical abstract (2000 characters).** The technical abstract should specify the relevant background, hypothesis, aims of the project and methodologies. A list of research questions prioritized by bladder cancer patients through the BCAN Patient Survey Network (PSN) is

included at the end of this document and can be used for guidance in identifying important patient-centered priorities.

**4. Research proposal (4 pages):** A one (1) year research proposal of no greater than four (4) pages is required. Applicants must include a description of how this research may benefit patients with bladder cancer and, how the research addresses important patient-centered priorities, either specifically included in the BCAN PSN research questions or otherwise. The four-page limit applies only to the proposal and not to references, CV, or other supplemental information. Key sections to be included are: Title, Hypothesis and Specific Aims, Background, Preliminary Data, Research Design and Methods, a brief Summary with Timeline and Milestones, and Relevance to patient-centered research.

**5. References.** There is no page limit for this section. Please use single spaced, 10-point font for this section.

**6. Budget and budget justification (1 page).** Please use the budget template in proposalCENTRAL. No more than 10% of the budget may be used for salary support for the principal investigator, including fringe benefits. Please include the percentage effort for the amount of work time that will be devoted to this project. There is no minimum effort percentage, but time commitment to the project will be considered in evaluating the application. Salary support for other research personnel must be specified in the budget template. No portion of the Award is to be used for indirect costs to the sponsoring institution (e.g. overhead/administrative costs). The Award will not support the purchase of capital equipment. Limit the budget justification to 5000 characters, highlighting key elements in the budget.

**7. Personal statement (1 page).** This section is limited to one page and should describe the applicant's career development plan, including how the applicant will use the Award to advance her/his career in academia-based bladder cancer research.

**8. Training and environment summary (limit 1 page).** This section should provide an accurate representation of the time commitment that will be dedicated to the proposed project and should provide a detailed description of the applicant's non-research responsibilities during this period. The time commitment described should be also reflected in the supporting mentor letter that will accompany this application. Additional information regarding resources available to the applicant to successfully complete the proposed project should be included.

**9. Applicant's biographical sketch (not to exceed 5 pages).** Use the NIH form PHS 398, available on the [NIH website](#).

**10. Mentor’s biographical sketch (not to exceed 5 pages).** Use the NIH form PHS 398, available on the [NIH website](#).

**11. Two letters of recommendation.**

1. Primary mentor letter that emphasizes the applicant’s potential for independence in an academic research setting. The letter should also describe mentoring experience, time protection for the applicant, and a commitment to provide resources and mentoring for the applicant for the duration of the Award as related to this project.

2. Institution letter from Department Chair, Dean or Cancer Center Director. This letter should guarantee a specific time effort dedicated to this project, mechanisms by which the applicant’s time will be protected from other obligations, and a commitment to provide resources to support the applicant’s research proposal.

**12. Supplemental material.** Please use this section **ONLY** to include letters from collaborators and IRB/IACUC/IND approval. Do **NOT** submit reprints of articles with this application. Additional letters of recommendation may be included here.

**Evaluation Process and Criteria**

Interested applicants must submit an application by **5:00 PM (EST) on Monday, February 24, 2020**. The award decision will be announced by June 2020. The 2020 Young Investigator Award will start on July 15, 2020.

Evaluation of the applications will be by a Scientific Review Group comprised of experts respected for their own accomplishments in genitourinary cancer research and as leaders in the field. The Scientific Review Group will review and score the applications based on the merits of the research proposals. The Award review process is based on the same peer review system utilized by the National Institutes of Health (NIH). Scoring of research projects is done individually by each medical expert and scores are added together to determine the final ranking of each proposal. Any reviewer with a conflict of interest is excused from voting on a specific application.

The Chair of the Scientific Review Group will present the highest ranked proposals to the Bladder Cancer Research Network (BCRN) Management Committee (comprised of members of BCAN’s Scientific Advisory Board), which will review the ranking of the top applications based solely on those scores and recommend the final Award decision, based on all included criteria specified in the RFA, for approval by the BCAN Board of Directors. Any member of the Management Committee or the BCAN Board of Directors with a conflict of interest is excused from voting on the Award decisions.

Evaluation of the proposals will include, but not be limited to the following:

1. Merit of the research plan and objectives
2. Explanation of project's patient-centeredness,
3. Applicant's qualifications
4. Ability of primary mentor to provide appropriate guidance during the award period and demonstration that there are adequate resources available to the applicant to support the research project
5. Appropriateness of budget to completing the research plan during the grant period

### **Terms of Award**

Payments will be made to the comptroller or to the designated financial officer of the sponsoring institution which shall then disburse the funds to the individual Award recipient. The Award start date will be July 15, 2020. The Award recipient and the sponsoring institution shall pay at their own costs all taxes and impositions in connection with the Award. The Award does not create an employer-employee relationship between the Award recipient and BCAN. BCAN does not assume any legal responsibility or obligation for the conduct or acts of the grant recipient, the mentor, or the sponsoring institution.

At the conclusion of the Award period, the Award recipient must complete a final report summarizing the research conducted, and any plans to continue the research beyond the Award period.

Publications, research talks, and poster presentations based on any study or research done with the support of the Award should acknowledge the support of BCAN. Reprints of such publications or abstracts should be sent to BCAN.

The Award recipient will be expected to present research results at the conclusion of the Award at BCAN's Annual Bladder Cancer Think Tank meeting in August 2021.

In the event the Award recipient's research is interrupted due to an incapacitating physical or mental illness or death, the Award will be terminated, and the unused portion of the funds must be returned to BCAN by the sponsoring institution within 30 days of the date of termination.



## **BCAN Patient Survey Network Research Questions**

### **NON-MUSCLE INVASIVE BLADDER CANCER**

1. What is the comparative benefit of biomarkers that indicate an increased likelihood of bladder cancer recurrence?
2. What is the comparative effectiveness of different surveillance strategies (including none) when patients are cancer-free after 5 years?
3. What is the benefit of diet/nutrition/lifestyle on cancer incidence, severity, or treatment success?
4. What are the best ways to decrease pain and discomfort from cystoscopy and procedures such as placing a bladder catheter?
5. What is the comparative effectiveness of psychosocial interventions after bladder cancer diagnosis to address depression or anxiety?
6. What is the best treatment for NMIBC during a BCG shortage?
7. What are alternative screening methods for detecting bladder cancer?
8. What are methods to reduce financial toxicity of bladder cancer treatment?

### **MUSCLE-INVASIVE BLADDER CANCER**

1. What is the comparative effectiveness of different methods to increase patient knowledge regarding cancer diagnosis and prognosis?
2. What is the comparative effectiveness of educational tools with respect to improving education about post-cystectomy expectations?
3. What is the comparative effectiveness and side effect profiles of different neoadjuvant chemotherapy regimens?
4. What is the benefit of diet/nutrition/lifestyle on cancer incidence, severity, or treatment success?
5. What techniques can best preserve sexual function after radical cystectomy?
6. What are the best patient support options following treatment for MIBC?
7. How can genomics be used to predict treatment response and recurrence?

### **METASTATIC BLADDER CANCER**

1. What is the comparative effectiveness of different methods to increase patient knowledge regarding cancer diagnosis and prognosis?
2. What is the role of management of the bladder in patients with metastatic bladder cancer?
3. What are the best ways to support caregivers of patients with metastatic bladder cancer?
4. How do treatments for metastatic bladder compare with respect to financial impact for the patient?
5. What is the comparative effectiveness of educational methods for patients to learn about new clinical trials?
6. What are the best patient support options following treatment for metastatic bladder cancer?

### **UPPER TRACT UROTHELIAL CANCER**

1. What is the comparative effectiveness of different methods to increase patient knowledge regarding cancer diagnosis and prognosis?
2. What is the comparative effectiveness of treatments to preserve the kidney in UTUC?
3. What is the comparative effectiveness of neoadjuvant chemotherapy in UTUC?
4. What is the comparative effectiveness of ablative therapies in UTUC?