

DESCRIPTIVE INFORMATION:

Institution(s) proposing the center:

- University of Nebraska College of Medicine

The name of the programs (majors) involved:

- College of Medicine
 - Department of Medicine
 - Department of Surgery
 - Department of Biostatistics
 - Department of Pathology
- University of Nebraska-Lincoln (UNL)
 - Food Science and Technology

Other programs offered in this field by this institution:

There are no other programs focusing on Inflammatory Bowel Disease at the University of Nebraska Medical Center.

Administrative unit for the center: UNMC College of Medicine

Physical location, if applicable: UNMC College of Medicine

Proposed date for the PCIBD to be approved by Board of Regents: January 2016

1. Purpose and Goals of the Center:

Vision of the Center: The vision for this Center is to further establish UNMC as a nationally-recognized center of excellence in care and research as it relates to patients with inflammatory bowel disease. This Center will bring together and organize medical specialists, surgeons, radiologists, pathologists, nutritionists, food and other scientists, students, post-doctoral fellows and support personnel in a multidisciplinary manner to support the mission of the center. The vision for the center is to be recognized throughout the region for patient care and nationally for research related to this patient population.

Mission of the Center: To provide compassionate and patient-directed treatment within the framework of a Center committed to the highest quality care for patients with inflammatory bowel disease. This advanced care will be done within the context of professional and patient/family educational programs. Research dedicated to the understanding of the inflammatory bowel disease process and the application of the newest advances in the treatment of patients suffering for inflammatory bowel diseases is central to the overall mission.

Need and Demand for the Center: At present, UNMC physicians care for approximately 800 patients with inflammatory bowel disease (IBD). It is an increasingly serious relapsing disease of the small bowel and colon. The incidence of IBD is rapidly increasing in the United States and Europe.

Approximately 1.8 million individuals in the U.S. are suffering from IBD at the present time. The establishment of the Center will allow the recruitment of nationally-recognized physicians with expertise in IBD care plus an investigative team to further support efforts in basic, clinical and translational research as it relates to IBD.

2. **The Program's Place in the Role and Mission of the Institution:** The role and mission of the institution is to advance health care and research into diseases that affect the lives of Nebraskans. The proposed center will play a pivotal role in supporting the research, education and patient care of those afflicted with inflammatory bowel disease. It also fits into the broader vision of President Bounds "Food for Health Collaboration Initiative" since patients with IBD have numerous dietary constraints as a result of their disease that the formation of this center will allow improved management.
3. **Organizational Structure and Administration:** The director, a leader who will be recruited after a national search, will lead the Center. Dr. Michael Sorrell will lead this search. The Center will be sited within the Department of Internal Medicine under the direction of the Chair of the Department and within the Division of Gastroenterology. Members of the Center will come from the following departments: Medicine, Surgery, Section of Transplantation, Radiology, Pathology, Food Science and Technology (UNL), Pharmacy and Nebraska Medicine. Criteria for membership in the Center will be finalized with the new Director but is anticipated to be based primarily on faculty members' research interests in topics related to IBD. There are several reasons why faculty members would want to join the Center, including access to a database of IBD patients and tissues obtained from IBD patients (all on IRB-approved protocols) that will be valuable resource provided to Center members. In addition, the Center will sponsor a seminar series designed to foster translational research related to IBD and provide opportunities for a critical mass of investigators to be organized around IBD that facilitates multi-disciplinary research. There are already faculty at UNMC who participate routinely in the care of IBD patients as well as faculty whose research interests are aligned with IBD mechanisms who will desire membership in the Center (we anticipate at least 15-20 faculty).
4. **Adequacy of Resources:** Clinical space for the proposed Center is in place within the Durham Outpatient Center and will require renovation by Nebraska Medicine. This will occur within the master facility planning process currently underway at UNMC and Nebraska Medicine. Adequate laboratory space exists at present within the Paustian laboratories in Durham Research I. Startup laboratory funds plus Ph.D and post-doc salaries will be provided by the Foundation gift designated for this program. The Center Director and one additional physician salary plus necessary support personnel will be provided by Nebraska Medicine and the Department of Internal Medicine and College of Medicine.

5. **Constituencies Served:** The ultimate goal is to serve patients with inflammatory bowel disease by improving the diagnosis and care of such patients. In the process of achieving these goals, we will gain a platform of educational opportunities for our faculty, students, trainees and patients and significantly improve and increase our research capabilities. The proposed Center will utilize existing telemedicine capabilities within UNMC and Nebraska Medicine to reach out to greater Nebraska to provide consultative help.
6. **Economic Impact:** Gastroenterologists within the Center will be active in evaluating new drug and new treatment regimens involving established drugs. The increased reputation of the Center will bring more patients into Nebraska Medicine for diagnosis and treatment. This, in turn, will provide more patient opportunities and material to perform translational and basic research.
7. **Outcomes, Significance and Specific Measures of Success:**
 - Increase clinical and research opportunities in IBD including the number of clinical trials available for these patients.
 - Promote the reputation of UNMC as a competitive academic institution in providing leading health care and research.
 - Provide a platform for improving IBD care to rural Nebraska.
 - Increased funding from external sources.
 - Increased scholarly research: publications, presentations, and participation in professional and scientific meetings.
 - Increased community visibility.
8. **Centrality in Role and Mission of the Institution:** UNMC is a growing and ever expanding institution. The mission of UNMC is to become the leader in providing innovative high quality health care to Nebraska and our region through premier educational programs, innovative research and outreach. Pursuit of excellence and regional, national, and international competitiveness in patient care, research, and scholarly activity are among the University's strategic goals. The proposed Center will enhance our capacity to provide increased high quality patient care and research capabilities to reach these goals.
9. **Collaborations with other Organizations:** The proposed Center will further form and enhance present collaborations with other academic IBD centers to further translational research centers. They will continue the educational collaboration with the Crohn's and Colitis Society. The Center has already established a collaborative relationship with the Brain – Gut program and the Department of Food Science and Technology at UNL.

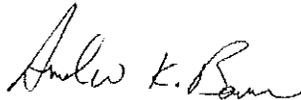
Dr. Michael F. Sorrell
UNMC Distinguished Chair in Internal Medicine
Department of Internal Medicine, Gastroenterology and Hepatology Division
University of Nebraska Medical Center

Dear Dr. Sorrell,

On behalf of the UNL Gut Function Initiative, please accept my sincere congratulations on establishment of the Paustian IBD Center at UNMC. This very exciting news for UNMC and indeed for the entire state of Nebraska. Certainly, the center is testament to your ongoing dedication and vision for furthering research, education, and training at UNMC and as your extended colleagues, we applaud your leadership and vision.

We were delighted that you engaged the UNL Gut Function team in discussions about this center over the summer months and we are very happy to work with you to help make this center the success you envision. I am certain there will be many opportunities for collaboration as this center takes form and members of the UNL GFI team will be committed to helping you recruit the type of high-quality faculty, clinicians, and researchers that will lead to an internationally-recognized center of excellence. Ultimately, we look forward to establishing powerful collaborative research endeavors with future members of this center and helping to further its mission.

Sincerely,



Andrew K. Benson
W.W. Marshall Distinguished Professor of Biotechnology
Group Leader, UNL Gut Function Initiative
Department of Food Science and Technology
University of Nebraska-Lincoln

TABLE 1: PROJECTED EXPENSES - NEW ORGANIZATIONAL UNIT
Paustian Inflammatory Bowel Disease Center

Personnel	2016 Year 1		2017 Year 2		2018 Year 3		2019 Year 4		2020 Year 5		Total	
	FTE	Cost	FTE	Cost								
Clinical Faculty ¹	2.00	\$615,000	2.00	\$633,450	2.00	\$652,454	2.00	\$672,027	2.00	\$692,188	2.00	\$3,265,119
Research Faculty ²	1.00	\$150,000	1.00	\$154,500	1.00	\$159,135	1.00	\$163,909	1.00	\$168,826	1.00	\$796,370
Clinical staff ³	2.00	\$207,580	2.00	\$213,807	2.00	\$220,222	2.00	\$226,828	2.00	\$233,633	2.00	\$1,102,070
Other staff ³	2.00	\$149,500	2.00	\$153,985	2.00	\$158,605	2.00	\$163,363	2.00	\$168,264	2.00	\$793,716
Postdoctoral fellow	1.00	\$39,000	1.00	\$40,170	1.00	\$41,375	1.00	\$42,616	1.00	\$43,895	1.00	\$207,056
Subtotal	8.00	\$1,161,080	8.00	\$1,195,912	8.00	\$1,231,790	8.00	\$1,268,743	8.00	\$1,306,806	8.00	\$6,164,331
Operating												
General Operating		\$250,000		\$257,500		\$265,225		\$273,182		\$281,377		\$1,327,284
Equipment												\$0
New or renovated space												\$0
Library/Information Resources												\$0
Other												\$0
Subtotal		\$250,000		\$257,500		\$265,225		\$273,182		\$281,377		\$1,327,284
Total Expenses	8	\$1,411,080	8.00	\$1,453,412	8.00	\$1,497,015	8.00	\$1,541,925	8.00	\$1,588,183	8	\$7,491,615

¹ Faculty includes 1 Center Director (TBD) who is physician investigator and 1 junior faculty to support clinical work who are new to the organization. Existing Faculty Physician salary is already factored into ongoing Gastroenterology budget. All costs in 2016 will be less than listed since these positions would not be filled until later in the calendar year.

² PhD lead scientist

³ Clinical staff are expected to be PA and nurse manager. Other staff will be shared secretarial staff for Center faculty and data manager.

⁴ Annual increase of 3% is assumed.

TABLE 2: REVENUE SOURCES FOR PROJECTED EXPENSES - NEW ORGANIZATIONAL UNIT
Paustian Inflammatory Bowel Disease Center

	2016 Year 1	2017 Year 2	2018 Year 3	2019 Year 4	2020 Year 5	Total
Reallocation of Existing Funds						
UNMC Intramural	\$0	\$0	\$0	\$0	\$0	\$0
Required New Public Funds						
1. State Funds	\$0	\$0	\$0	\$0	\$0	\$0
2. Local Funds	\$0	\$0	\$0	\$0	\$0	\$0
Tuition and Fees	\$0	\$0	\$0	\$0	\$0	\$0
Other Funding	\$0	\$0	\$0	\$0	\$0	\$0
Nebraska Medicine	\$972,580	\$1,014,912	\$1,058,515	\$1,103,425	\$1,149,683	\$5,299,115
Foundation gift for PIBD Center	\$438,500	\$438,500	\$438,500	\$438,500	\$438,500	\$2,192,500
Total	\$1,411,080	\$1,453,412	\$1,497,015	\$1,541,925	\$1,588,183	\$7,491,615

Nebraska Medicine resources are associated with the clinical revenue billed directly by clinical faculty and staff associated with the Center. Downstream revenue to Nebraska Medicine is also included (includes revenue associated with care of IBD patients in terms of testing, procedures, hospitalizations, etc). Salary support for the proportion of faculty salary that is non-clinical will be from existing Department of Internal Medicine and College of Medicine resources. The Foundation gift will cover research faculty and staff support including the general operating expenses for research.