**A. OVERVIEW OF LEADERSHIP AND ADMINISTRATION**

Below are the Leadership/Administrative activities for Dr. \*\*\*\*, which current account for 15% of his time/effort as Faculty at University of Arkansas for Medical Sciences (UAMS). The highlights of this section include:

* **Leadership/Administrative Service**

6 hours/wk for Leadership/Administrative Service (40 hr/wk \* 15% time/effort = 6 hr/wk)

* 1.5 hr/wk Physiology Seminars, Departmental
* 1.0 hr/wk vice-chair for Research, Departmental
* 0.5 hr/wk Junior Faculty Forum, Institutional
* 1.0 hr/wk Patent and Copyright Committee, Institutional
* 0.5 hr/wk PRO program, Institutional
* 0.5 hr/wk Section Editor, Current Osteoporosis Reports, Editorial
* 0.5 hr/wk Co-chair, Education Advisory Committee, Advocacy
* 0.5 hr/wk Other committee work

A summary of Dr. \*\*\*\*'s Leadership/Administrative Service is shown in **Table 1**.

|  |  |  |
| --- | --- | --- |
| **Activity** | **Total** | **Since UAMS appointment** |
| International/National | 5 | 2 |
| Institutional | 5 | 4 |
| Departmental | 4 | 4 |

**Table 1**. Summary of Dr. \*\*\*\*'s Committee work since appointment as Assistant Professor (Indiana University, 2017-2020, UAMS, 2020-2022).

* **Criteria 1: Department, College, and/or University Service**
* Departmental: Physiology and Cell Biology, UAMS
  + Member, Grant Task Force 2020-2021
  + Member, Faculty Search Committee 2020-present
  + Co-organizer, Physiology Seminar Series 2020-present
  + Vice-Chair for Research 2020-present
  + Member, Advisory Committee Microscopy Core 2022-present
* College/University
  + Member, Institutional Animal Care and Use Committee (IU) 2019-2020
  + Leader, Junior Faculty Forum (UAMS) 2020-present
  + Member, Patent and Copyright Committee (UAMS) 2021-present
  + Interviewer Graduate School GPIBS\* program (UAMS) 2021-present
  + Director, PRO\*\* summer program (INBRE\*\*\*, UAMS) 2022-present

\*GPIBS: Graduate Program in Interdisciplinary Biomedical Sciences

\*\*PRO: Professional Research Opportunity

\*\*\*INBRE: IDeA Network of Biomedical Research Excellence

* **Criteria 2: Editorial Board Service**
* Section Editor, Current Osteoporosis Reports, Osteocyte section 2019-present
* Editorial board, Osteoporosis and Mineral Metabolism Journal 2021-present
* Youth Editorial Board, Journal of Cancer Treatment and Metastasis 2021-present
* Co-editor Special Issue, Frontiers of Oncology 2021-present
* **Criteria 3: Peer-review Study Section Service**
* Standing Reviewer for the Endocrine Fellows Foundation 2019-present
* Ad-hoc Reviewer for the NIH Tumor Microenvironment study section 2020
* Ad-hoc Reviewer for the NIH Developmental Therapeutics study section 2021
* Ad-hoc Reviewer for the NIH Tumor Microenvironment study section 2021
* Standing Reviewer for the Tumor Host Interactions study section 2022-present
* **Criteria 4: Advocate for Science and/or Health Care Policy**
* Co-chair Education Working Group, ASBMR 2018-2019
* Member, Membership Engagement and Education Committee, ASBMR 2018-2020
* Member, HuBLe Methods Committee-IFMRS 2019-present
* Co-chair Education Advisory Committee, ASBMR 2020-present

**B. DEPARTMENT, COLLEGE, AND/OR UNIVERSITY SERVICE**

* **Departmental: Physiology and Cell Biology, UAMS.**
* **Member, Grant Task Force.** As a member of this committee, Dr. \*\*\*\* discussed improving grant submissions and identifying grant opportunities for Faculty in his department.
* **Member, Faculty Search Committee**. As a member of this committee, Dr. \*\*\*\* reviews candidates applying for a faculty position in his department. He also participates in on-site visits, attends candidate seminars and chalk talks, and provides formal feedback on the candidate's strengths and weaknesses.
* **Co-organizer, Physiology Seminar Series.** The Physiology seminars are scheduled every Thursday at 3 pm, once a week, for Spring and Fall semesters. As a co-organizer, Dr. \*\*\*\*, together with Dr. Simmen, invites internal and external speakers, coordinates dates for presentations, introduces speakers, and moderates the Q&A sessions and the post-seminar meetings with students.
* **Vice-Chair for Research.** Dr. \*\*\*\*'s role is to improve the research activities based on the needs of the Faculty in his department. With Dr. Lupashin, he has initiated actions to improve ordering processes, pre and post-grant management, handle of material transfer agreements, and co-organized a Research Retreat for the Physiology and Cell Biology department to promote collaboration and submission of multi-PI grants.
* **Member, Advisory Committee Microscopy Core**. In this role, Dr. \*\*\*\* interviews candidates for the Director position and advises on equipment upgrades, new acquisitions, and business plans.
* **College/University** 
  + **Leader, Junior Faculty Forum.** Dr. \*\*\*\* initiated the formation and is the current leader, along with Drs. Kendrick and Schinke, of the Cancer Institute Junior Faculty Forum. In this role, Dr. \*\*\*\* ensures that junior Faculty affiliated with the Cancer Institute have a voice and are aware of the institutional resources. The group has 55 members and meets once a month. The meetings feature research presentations by members and talks and/or Q&A sessions by Core directors (i.e., Proteomics, Tissue Bank), Program directors (TRI Mock Study Section, Junior Mentoring Program), or IBC/IACUC/IRB representatives.
  + **Member, Patent and Copyright Committee.** The committee meets twice a month and reviews the latest research performed at UAMS. In this role, Dr. \*\*\*\* evaluates the latest inventions at UAMS and advises on patentability.
  + **Interviewer Graduate School GPIBS program.** Dr. \*\*\*\* participates in the interviews of applicants to the GPIBS UAMS Graduate School as a representative of the Cell Biology Program program.
  + **Director, PRO Summer Program.** Dr. \*\*\*\* initiated a program for undergraduate students named the Professional Research Opportunity with the support from the INBRE, the NIH-funded COBRE Center for Musculoskeletal Disease Research, and the Department of Physiology and Cell Biology (PRO) program. In this summer program, undergraduate students are exposed to an alternative career path as a technologist in biomedical research through participation in the daily operations of either a research laboratory or a Core facility. Upon completing this internship, students should have unique insights into how a professional research technologist operates scientifically and professionally and will gain the connections and tools to launch a career in biomedical research. This program can potentially create an avenue to recruit future technical personnel to UAMS.

**C. EDITORIAL BOARD SERVICE**

* **Section Editor, Current Osteoporosis Reports, Osteocyte section (IF: 5.096).** Current Osteoporosis Reports provides in-depth review articles contributed by international experts presenting clear, insightful, balanced reviews that emphasize recently published papers of major importance for diagnosing, treating, managing, and preventing osteoporosis. In this role, Dr. \*\*\*\*, together with Dr. Klein-Nulend, selects research topics, invites authors, and has the responsibility to accept/reject papers for publication. On average, the Osteocyte Section publishes 6-8 manuscripts a year.

<https://www.springer.com/journal/11914/editors>

* **Editorial board, Osteoporosis and Mineral Metabolism Journal.** This journal, published in Spanish, covers basic, translational, and clinical bone biology studies. In this position, Dr. \*\*\*\* reviews manuscripts and advises on topics of interest.
* **Youth Editorial Board, Journal of Cancer Treatment and Metastasis.** This journal covers basic, translational, and clinical studies on cancer cell biology, genomics, precision medicine, medical oncology, radiation therapy and radiology, obstetrics and gynecology, pediatrics, surgery, hematology, and neuro-oncology. In this position, Dr. \*\*\*\* reviews manuscripts and supports social media postings.

<https://jcmtjournal.com/editorsYouth/index>

* **Co-editor, Special issue, Frontiers of Oncology (IF: 6.244).** In this role, Dr. \*\*\*\* serves as the co-editor of a special issue entitled: The Role of the Bone Marrow Microenvironment in Multiple Myeloma Evolution and Therapy. This special issue welcomes original articles, reviews, clinical trials, and case reports on identifying the role of the bone marrow microenvironment in the transition from the precursor stages MGUS and SMM to clinical myeloma and the importance of the bone marrow microenvironment in myeloma progression and treatment resistance. Dr. \*\*\*\*'s role is to invite authors, review manuscripts, and accept/reject papers for publication.

<https://www.frontiersin.org/research-topics/27914/the-role-of-the-bone-marrow-microenvironment-in-multiple-myeloma-evolution-and-therapy>

**D. PEER-REVIEW STUDY SECTION SERVICE**

* **Standing Reviewer for the Endocrine Fellows Foundation.** The Fellows Research Grant Program aims to identify new clinical and basic science leaders. Dr. \*\*\*\* reviews 2-3 grants each cycle (Spring and Fall). Like NIH grants, awards are based on the quality and impact of the research, applicant's experience, training proposed, and mentoring team environment.
* **Ad-hoc Reviewer for the NIH Tumor Microenvironment Study Section.** This Study Section reviews grant applications on basic mechanisms of interactions between tumors and the host system. Emphasis is on evaluating the tumor as an organ-like structure with complex, dynamic cross-talk. Studies of tumor-stroma interactions, tumor-induced alterations of ECM, tumor cell dormancy, tumor angiogenesis, and lymphangiogenesis, the specific niche environment in tumorigenesis, and organ-specific metastasis are reviewed in this study section. Dr. \*\*\*\* reviewed 6 applications in two different cycles.
* **Ad-hoc Reviewer for the NIH Developmental Therapeutics study section.** This Study Section reviews applications addressing the experimental therapy of neoplastic diseases (solid tumors and leukemias) in in vitro and in vivo model systems, including early-stage pilot clinical trials. The major emphasis of this study section is on the rational development of novel therapeutic strategies that have a significant potential for early translation to the clinic. Dr. \*\*\*\* reviewed 3 applications for this study section
* **Standing Reviewer for the Tumor Host Interactions Study Section (formerly known as Tumor Microenvironment).** Dr. \*\*\*\* was appointed as a standing member of this Study Section in 2021 and started his seven-year term in 2022. He reviews an average of 5 grants per cycle (February, June, and October).
* **Other peer-review activities**: Please refer to this packet's "*Research and Scholarly Activities Section*" for specific details on Dr. \*\*\*\*'s other peer review activities. In brief, since being appointed Faculty in 2017, Dr. \*\*\*\* has peer-reviewed 59 manuscripts, has served 9 times as an abstract reviewer for national/international meetings, and has reviewed 8 international, 25 national, and 14 institutional/regional additional grants.

**E. ADVOCATE FOR SCIENCE AND/OR HEALTH CARE POLICY**

* **Co-chair Education Working Group-ASBMR.** ASBMR leadership charged Dr. \*\*\*\* with assessing ASBMR's need for an Education Committee fully dedicated to addressing the educational needs of ASBMR members. Dr. \*\*\*\* co-chaired this working group, which assessed educational needs via surveys and review of ASBMR'website content. The Working Group provided a formal recommendation to establish an Education Committee.
* **Member, Membership Engagement and Education Committee-ASBMR.** Dr. \*\*\*\*'s role in this committee was to advise on programming to help early-career investigators transition to independent research careers, provide programming recommendations to the Annual Meeting Program Committee that address the needs of young and mid-career investigators, promote retention of current members through engagement in ASBMR activities, and advise on matters involving young and mid-level investigators.
* **Member, HuBLe Methods Committee-IFMRS.** Dr. \*\*\*\* serves as a member r of the Methods Committee of HuBLE, an online learning environment for young investigators in the musculoskeletal field supported by the International Federation of Musculoskeletal Research Societies. In this committee, he creates and reviews one-page protocols for musculoskeletal methodological approaches.

<https://www.huble.org/about-old/committees/huble-methods/>

* **Co-chair, Education Advisory Committee-ASBMR.** In this role,Dr. \*\*\*\* identifies knowledge gaps and needs of ASBMR members to create new educational activities and formats for the ASBMR Education Resource Center website, reviews content in the ASBMR website and makes recommendations to staff to remove or reorganize content, oversees, develops content, and explores new formats for the ASBMR webinars and podcast series, works with the ASBMR Annual Meeting Program Committee and staff to identify synergies between new Education content and Annual Meeting content, and works with other ASBMR Committees to coordinate educational efforts. During his tenure on this committee, he has piloted new webinars and a podcast series, and promoted awareness and educational resources for patients with skeletal diseases.

<https://www.asbmr.org/committees/education-advisory-committee>