



**Oregon State University**  
**College of Science**

**College of Science**  
Oregon State University  
128 Kidder Hall  
Corvallis, Oregon 97331

**P** 541-737-8062  
science.oregonstate.edu

# **Nuclear Magnetic Resonance Facility**

## **Advisory Committee Charge**

### **NMR-F Advisory Committee (FY24-FY26) Membership:**

**Todd Miller (Chair)**, Director of Advanced Technology and Manufacturing Institute, (ATAMI)  
**Jennifer Field**, Professor, Environmental & Molecular Toxicology, College of Agricultural Sciences  
**Jeff Hatten**, Department Head & Associate Professor, Forest Engineering, College of Forestry  
**Colin Johnson**, Associate Professor of Biochemistry & Biophysics, College of Science  
**Kerry McPhail**, Professor, Pharmaceutical Sciences, College of Pharmacy  
**Matt Robinson**, Associate Professor, School of Biological and Population Health Sciences, College of Public Health and Human Sciences  
**Kyriakos Stylianou**, Assistant Professor of Chemistry, College of Science  
**Nancy Washton**, Lead for NMR and EPR, Physical Sciences Division Chemist, Pacific Northwest National Laboratory (PNNL)  
**Patrick Reardon (Ex Officio)**, Director of NMR Facility, College of Science  
**Vrushali Bokil (Ex Officio)**, Associate Dean for Research & Graduate Studies, College of Science

### **Introduction**

The [Nuclear Magnetic Resonance Facility \(NMR\)](#), housed in the Linus Pauling Science Center at OSU, is a service facility contributing to OSU's research mission and undergraduate and graduate education and training in basic and applied research. The NMR facility seeks to support NMR-related research and education across disciplines at OSU, throughout the Pacific Northwest and worldwide in order to advance the understanding of fundamental physical and biological systems that span multidisciplinary areas of science. To support these efforts, the facility strives to maintain state-of-the-art instrumentation at the highest levels of performance. Facility staff are knowledgeable and provide hands-on training to new users, experimental design expertise, assistance with data analysis and support for incorporating NMR into grants and manuscripts. The currently available [instruments](#) are outlined on the facilities website.

The NMR Facility is housed in the College of Science (COS) at OSU. The college has a core role at OSU, driving the learning, scholarship, and engagement that are the foundation of a land-grant university. The college's Strategic Plan, [Extending the Reach & Impact of Science](#), outlines actions that will develop the next generation of science leaders, mentors and culture shapers; lead in fundamental, use-inspired and

transdisciplinary scientific research, scholarship and innovation; deliver a 21st century high-quality, innovative science education that is equitable, accessible and inclusive of all learners; and achieve critical and visible impact in local, national and global science communities. These are aligned with OSU's new strategic plan, [Prosperity Widely Shared](#), that builds on our longstanding and emerging institutional strengths with a vision for Oregon State University to become a university focused on big discoveries that drive big solutions, a university where every student graduates and a university that fuels a thriving world.

OSU has an [institution-wide commitment to diversity, multiculturalism, and community](#). We actively engage in recruiting and retaining a diverse workforce and student body that includes members of historically underrepresented groups. We strive to build and sustain a welcoming and supportive campus environment as described in our 2021 diversity action plan, [Embedding Equity, Access & Inclusion](#) and in Oregon State University's diversity action plan, [Innovate & Integrate: Plan for Inclusive Excellence](#) (note: a [new diversity action plan](#) is being developed). OSU provides leadership opportunities for people interested in promoting and enhancing diversity, nurturing creativity, and building community. All employees are responsible for helping to maintain and enhance OSU's collaborative and inclusive community that strives for equity and equal opportunity.

### **Charge to the NMR Advisory Committee**

The NMR Advisory Committee is composed of eight members, two from the College of Science, one from each of the other colleges that provide funding to the NMR Facility through a mutually agreed upon Memorandum of Understanding (MOU) and a member external to OSU, either from another institution or from Industry/government. The Director of the NMR Facility and the Associate Dean for Research in the College of Science (or their designee) will be ex-officio members of the committee. Additional members will be appointed by the leadership of the College of Science (either the Dean of Science or the Associate dean for Research) and should be selected from diverse research backgrounds with shared interests in NMR. The Chair of the committee will call and schedule semi-annual meetings and decide an agenda in collaboration with the Director of the NMR Facility.

### **Roles & Responsibilities of the Committee**

This committee is advisory to the Director of the NMR facility. In this capacity the committee will

- Assist the Director of the NMR Facility in creating a collaborative process to write and update the facility Strategic Plan and an implementation plan.
- Provide advice to the Director of the NMR Facility on operational aspects of the facility and with establishing a financial plan for the long-term operation and maintenance of the facility. This includes purchasing new equipment, training protocols, input on hiring of new employees and offering perspective on university trends, marketing the facility, and initiatives and policies that may affect day to day operations of the facility.
- Provide advice and recommendation to the Director of the NMR Facility on strategies for increasing intra- and extra-mural funding for upgrading equipment, acquiring new equipment,

and creating collaborative research and innovation opportunities. This includes funding opportunities from federal (ex. NSF, NIH, DOE etc) agencies, foundations (Murdock, Keck, etc) among others.

- Review the annual report and other reports provided by the Director of the NMR Facility and provide recommendations. *It is expected that all reports provided and discussion, outcomes and actions resulting from membership on this committee are held in strict confidence.*
- Review the state of research at Oregon State University, changes in internal and external usage of the NMR Facility and make recommendations for the optimal use of the facilities' capabilities and infrastructure.

### **Deliverables**

The committee will

- Meet semi-annually to discuss current issues and future directions for the NMR Facility in its mission to promote research, provide infrastructure needs as befits a R1 university, funding opportunities for financial sustainability, innovation, graduate and undergraduate student success, among others. In all aspects, the committee will consider how to promote [inclusive excellence](#) as described in Oregon State University's diversity action plan, [Innovate & Integrate: Plan for Inclusive Excellence](#) (note: a [new diversity action plan](#) is being developed) and OSU's new strategic plan, [Prosperity Widely Shared](#).
- Write an annual report of the committee's findings and recommendations that will be submitted to the Director of the NMR Facility and the Associate Dean for Research in the College of Science by the end of each fiscal year (June 30).

### **Terms of Membership**

Committee members are selected for the following term lengths.

- The members will have membership on the committee for up to 3 years, renewable as mutually agreed upon by the Associate Dean for Research & Graduate Studies (ADRGs) in the College of Science, the Director of the NMR Facility and the Chair of the committee.
- The Chair will serve for a term of 3 years, renewable as mutually agreed upon by the ADRGS, the Director of the NMR Facility and the Chair.
- Memberships will be renewed annually and are at the discretion of the Associate Dean for Research in the College of Science.

## Signatures

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**Todd Miller (Chair)**, Director of Advanced Technology and Manufacturing Institute, (ATAMI)

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**Jennifer Field**, Professor, Environmental & Molecular Toxicology, College of Agricultural Sciences

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**Jeff Hatten**, Department Head & Associate Professor, Forest Engineering, College of Forestry

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**Colin Johnson**, Associate Professor of Biochemistry & Biophysics, College of Science

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**Kerry McPhail**, Professor, Pharmaceutical Sciences, College of Pharmacy

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