

## 5. Management

Headed by the RNC Director Hiroyoshi SAKURAI, the RIKEN Nishina Center for Accelerator-Based Science (RNC) consists of:

- 7 Laboratories
- 12 Groups with 27 Teams
- 2 overseas research centers with 3 Groups

as of the end of FY2022. There are also two 'Partner Institutes' which conduct research in the laboratories set up in RNC. RNC is managed by its Director who takes into consideration the majority decision of the RNC Coordination Committee. The management of RNC is supported by the following committees:

- Coordination Committee
- Program Advisory Committee
- Safety Review Committee
- RIBF Machine Time Committee
- Public Relations Committee

There are also committees to support the President of RIKEN and/or the Director of RNC such as:

- Nishina Center Advisory Council with three subcommittees:
  - RBRC Scientific Review Committee (SRC)
  - International Advisory Committee for the RIKEN-RAL Muon Facility
  - RBRC Management Steering Committee (MSC)

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### Nishina Center for Accelerator-based Science

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#### Executive Members (as of March 31, 2023)

Hiroyoshi SAKURAI	Director
Osamu KAMIGAITO	Deputy Director (Research Facility Development Division)
Tomoko ABE	Deputy Director (Accelerator Applications Research Division)
Masahiro IWASAKI	Deputy Director (Subnuclear System Research Division)
Kosue MORITA	Senior Advisor

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### RNC Coordination Committee

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The following subjects relevant to the RNC management are deliberated under the chairmanship of the RNC Director:

- Establishment of the new organization or reorganization in RNC
- Personnel management of RNC researchers
- Research themes and research budget
- Approval of the Partner Institutes
- Evaluation of the management of RNC and the response to the recommendations by external evaluation

The RNC Coordination Committee is held monthly.

#### Members (as of March 31, 2023)

Hiroyoshi SAKURAI	Director, RNC; Director, Radioactive Isotope Physics Laboratory and Nuclear Transmutation Data Research Group; Team Leader, Muon Date Team
Osamu KAMIGAITO	Deputy Director, RNC; Director, Accelerator Group
Tomoko ABE	Deputy Director, RNC; Director, Beam Mutagenesis Group; Team Leader, Ion Beam Breeding Team
Masahiko IWASAKI	Deputy Director, RNC; Director, Meson Science Laboratory
Tomohiro UESAKA	Director, Spin Isospin Laboratory
Hideki UENO	Director, Nuclear Spectroscopy Laboratory and User Liaison Group; Team Leader, Outreach Team
Toru TAMAGAWA	Director, High Energy Astrophysics Laboratory
Emiko HIYAMA	Director, Strangeness Nuclear Physics Laboratory
Masaaki KIMURA	Director, Nuclear Many-body Theory Laboratory
Yuko MOTIZUKI	Director, Astro-Glaciology Research Group
Kosuke MORITA	Senior Advisor, RNC
Hiroki OKUNO	Deputy Group Director, Accelerator Group; Director, High-Intensity Accelerator R&D Group; Team Leader, Accelerator R&D Team, Cryogenic Technology Team, and High-Power Target R&D Team
Nobuhisa FUKUNISHI	Deputy Group Director, Accelerator Group; Director, Research Instruments Group; Team Leader, Beam Dynamics & Diagnostics Team
Tetsuya ONISHI	Director, Instrumentation Development Group; Team Leader, Rare RI-Ring Team and SCRIT Team
Hiromitsu HABA	Director, Superheavy Element Research Group, RI Application Research Group; Team Leader, Nuclear Chemistry Research Team and Superheavy Element Production Team

Kanenobu TANAKA	Director, Safety Management Group
Hideaki OTSU	Team Leader, SAMURAI Team and Fast RI Data Team
Naruhiko SAKAMOTO	Team Leader, Cyclotron Team and High-Gradient Cavity R&D Team
Hiromi SATO	Team Leader, Detector Team
Toshiyuki SUMIKAMA	Team Leader, Slow RI Data Team
Takahide NAKAGAWA	Team Leader, Ion Source Team
Koji MORIMOTO	Team Leader, Superheavy Element Device Development Team
Atsushi YOSHIDA	Team Leader, Industrial Application Research Team
Koichi YOSHIDA	Team Leader, BigRIPS Team
Ken-ichiro YONEDA	Team Leader, RIBF User Liaison Team
Hironobu ISHIYAMA	Team Leader, SLOWRI Team
Hidetada BABA	Team Leader, Computing and Network Team
Hiroyuki Ichida	Team Leader, Plant Genome Evolution Research Team
Masanori Kidera	Team Leader, Infrastructure Management Team
Yoshihide HIGURASHI	Team Leader, RILAC Team
Hideto EN'YO	Director, RIKEN BNL Research Center
Yoshitaka HATTA	Group Leader, Theory Group, RIKEN BNL Research Center
Yasuyuki AKIBA	Director, RHIC Physics Research Group; Group Leader, Experimental Group, RIKEN BNL Research Center
Taku IZUBUCHI	Group Leader, Computing Group, RIKEN BNL Research Center
Motohide YOKOTA	Office of the Center Director
Toshinari ANZO	Director, Nishina Center and iTHEMS Promotion Office

### Program Advisory Committee

The Program Advisory Committee reviews experimental proposals submitted by researchers and reports the approval/disapproval of the proposals to the RNC Director. The Committee also reports to the RNC Director the available days of operation at RIBF or the Muon Facility at RAL allocated to researchers. The Committee is divided into three categories according to the research field.

- Nuclear Physics Experiments at RIBF (NP-PAC): academic research in nuclear physics
- Materials and Life Science Researches at RNC (ML-PAC): academic research in materials science and life science
- Industrial Program Advisory Committee (In-PAC): non-academic research

### Program Advisory Committee for Nuclear Physics Experiments at RI Beam Factory (NP-PAC)

The 23<sup>rd</sup> NP-PAC was held on December 5–7, 2022 at RIBF

#### Members (as of March 31, 2023)

Maria J.G. BORGE (Chair)	Consejo Superior de Investigaciones Científicas
Stéphane Grevy	Centre d'Etudes Nucléaires de Bordeaux Gradignan
Mahananda Dasgupta	The Australian National University
Jens Dilling	Ork Ridge National Laboratory
Magdalena Gorska	GSI Darmstadt
Takahiro Kawabata	Osaka University
Masayuki Matsuo	Niigata University
Remco Zegers	Michigan State University
Nori AOI	RCNP, Osaka University
Robert CHARITY	Washington University in St. Louis
Gabriel MARTINEZ-PINEDO	Technische Universität Darmstadt, GSI Helmholtzzentrum für Schwerionenforschung
Iain MOORE	University of Jyväskylä
Takehiko SAITO	RIKEN
Philip J. WOODS	University of Edinburgh
Andrea VITTURI	Università di Padova
Xiaohong ZHOU	Chinese Academy of Sciences

### Program Advisory Committee for Materials and Life Science Researches at RIKEN Nishina Center (ML-PAC)

The 22<sup>nd</sup> ML-PAC was held on August 22–25, 2022 via e-mail and Web meeting.

The 23<sup>rd</sup> ML-PAC was held between December 23, 2022 and January 10, 2023 via e-mail.

#### Members (as of March 31, 2023)

Adrian HILLIER (Chair)	ISIS, RAL (UK)
Zhi QIN	Chinese Academy of Sciences
Toshiyuki TAKAYANAGI	Saitama University
Yoshio KOBAYASHI	The University of Electro-Communications
Yutaka MIYAZAWA	Yamagata University
Tadashi ADACHI	Sophia University
Ichihiro YAMAUCHI	Saga University
Koichiro SHIMOMURA	KEK
Jun-ichiro KISHINE	The Open University of Japan

**Industrial Program Advisory Committee (In-PAC)**

The 19<sup>th</sup> In-PAC was held on July 22, 2022 via Web meeting.

The 20<sup>th</sup> In-PAC was held between December 12, 2022 and January 6, 2023 via e-mail.

**Safety Review Committee**

The Safety Review Committee is composed of two sub committees, the Safety Review Committee for Accelerator Experiments and the Hot-Lab Safety Review Committee. These Committees review the safety regarding the usage of radiation generating equipment based on the proposal submitted to the RNC Director from the spokesperson of the approved experiment.

**Safety Review Committee for Accelerator Experiments****Members (as of March 31, 2023)**

Hiromi SATO (Chair)	Team Leader, Detector Team
Kouji MORIMOTO	Team Leader, Superheavy Element Device Development Team
Takashi NAGATOMO	Senior Technical Scientist, Ion Source Team
Hiromitsu HABA	Team Leader, Nuclear Chemistry Research Team
Atsushi YOSHIDA	Team Leader, Industrial Application Research Team
Koichi YOSHIDA	Team Leader, BigRIPS Team
Naoki FUKUDA	Technical Scientist, BigRIPS Team
Naruhiko SAKAMOTO	Team Leader, Cyclotron Team
Daisuke SUZUKI	Research Scientist, Radioactive Isotope Physics Laboratory
Masaki SASANO	Senior Research Scientist, Spin Isospin Laboratory
Shunji NISHIMURA	Senior Research Scientist, Radioactive Isotope Physics Laboratory

**External members**

Shinichiro MICHIMASA	Assistant Professor, Center for Nuclear Study, University of Tokyo
Hidetoshi YAMAGUCHI	Lecturer, Center for Nuclear Study, University of Tokyo
Yutaka WATANABE	Associate Professor, High Energy Accelerator Research Organization, KEK

**Ex officio members**

Kanenobu TANAKA	Director, Safety Management Group
Hisao SAKAMOTO	Technical Scientist, Safety Management Group

**Hot-Lab Safety Review Committee****Members (as of March 31, 2023)**

Tetsuya OHNISHI (Chair)	Director, Instrumentation Development Group
Kanenobu TANAKA	Director, Safety Management Group
Hisao SAKAMOTO	Technical Scientist, Safety Management Group
Hiroki MUKAI	Technical Staff I, Safety Management Group
Rieko HIGURASHI	Technical Scientist, Safety Management Group
Hiromitsu HABA	Team Leader, Nuclear Chemistry Research Team

**RIBF Machine Time Committee**

Upon request of the RNC Director, the RIBF Machine Time Committee deliberates on the machine time schedule of RIBF and reports the results to the Director.

**Members (as of March 31, 2023)**

Hideki UENO (Chair)	Director, User Liaison Group and Nuclear Spectroscopy Laboratory
Osamu KAMIGAITO	Director, Accelerator Group
Tetsuya ONISHI	Director, Instrumentation Development Group
Tomohiro UESAKA	Director, Spin Isospin Laboratory
Nobuhisa FUKUNISHI	Director, Research Instruments Group and Deputy Group Director, Accelerator Group
Hiroki OKUNO	Deputy Group Director, Accelerator Group
Shunji NISHIMURA	Senior Research Scientist, Radioactive Isotope Physics Laboratory
Tomoko ABE	Director, Beam Mutagenesis Group
Hiromitsu HABA	Director, RI Application Research Group
Kanenobu TANAKA	Director, Safety Management Group
Ken-ichiro YONEDA	Team Leader, RIBF User Liaison Team
Kouji MORIMOTO	Team Leader, Superheavy Element Device Development Team
Koichi YOSHIDA	Team Leader, BigRIPS Team

**External members**

Kentaro YAKO	Associate Professor, Center for Nuclear Study, University of Tokyo
Hidetoshi YAMAGUCHI	Lecturer, Center for Nuclear Study, University of Tokyo
Yutaka WATANABE	Associate Professor, High Energy Accelerator Research Organization, KEK

**Observers**

Hiroyoshi SAKURAI	Director, RNC; Director, Radioactive Isotope Physics Laboratory and Nuclear Transmutation Data Research Group; Team Leader, Muon Date Team
Yasuhiro SAKEMI	Director, Center for Nuclear Study, University of Tokyo
Michiharu WADA	Director, KEK Wako Nuclear Science Center
Hiroari MIYATAKE	Professor, High Energy Accelerator Research Organization, KEK
Daisuke SUZUKI	Chair, The RIBF Users Executive Committee (RIBF-UEC); Research Scientist, Radioactive Isotope Physics Laboratory
Tohru MOTOBAYASHI	Senior Advisor, RNC
Hideyuki SAKAI	Senior Advisor, RNC
Hideaki OTSU	Team Leader, Fast RI Date Team and SAMURAI Team
Atsushi YOSHIDA	Team Leader, Industrial Application Research Team
Hironobu ISHIYAMA	Team Leader, SLOWRI Team
Toshinari ANZO	Director, Nishina Center and iTHEMS Promotion Office
Soh OSUKA	Manager, Nishina Center and iTHEMS Promotion Office

**Public Relations Committee**

Upon request of the RNC Director, the Public Relations Committee deliberates and coordinates the following matters:

- Creating public relations system for RNC
- Prioritization of the public relations activities for RNC
- Other general and important matters concerning the public relations of RNC

**Members (as of March 31, 2023)**

Toshinari ANZO (Chair)	Director, Nishina Center and iTHEMS Promotion Office
Osamu KAMIGAITO	Deputy Director, RNC; Director, Accelerator Group
Tomoko ABE	Deputy Director, RNC; Director, Beam Mutagenesis Group
Masahiko IWASAKI	Deputy Director, RNC; Director, Meson Science Laboratory
Tomohiro UESAKA	Director, Spin Isospin Laboratory
Hideki UENO	Director, Nuclear Spectroscopy Laboratory and User Liaison Group
Yuko MOTIZUKI	Director, Astro-Glaciology Research Group
Narumasa MIYAUCHI	Technical Staff I, Outreach Team
Yasushi WATANABE	Special Temporary Research Scientist, Outreach Team
Motohide YOKOTA	Director, Office of the Center Director

**RBRC Management Steering Committee (MSC)**

RBRC MSC is set up according to the Memorandum of Understanding between RIKEN and BNL concerning the collaboration on the Spin Physics Program at the Relativistic Heavy Ion Collider (RHIC). The 28<sup>th</sup> MSC was held on May 26, 2021.

**Members (as of March 31, 2023)**

Shigeo KOYASU	Executive Director, RIKEN
Hiroyoshi SAKURAI	Director, RNC
Shoji NAGAMIYA	Senior Visiting Scientist, RNC
Robert TRIBBLE	Deputy Director for Science and Technology, BNL
Dmitori DENISOV	Deputy Associate Laboratory Director for High Energy Physics, BNL
Haiyan GAO	Associate Laboratory Director for Nuclear and Particle Physics, BNL