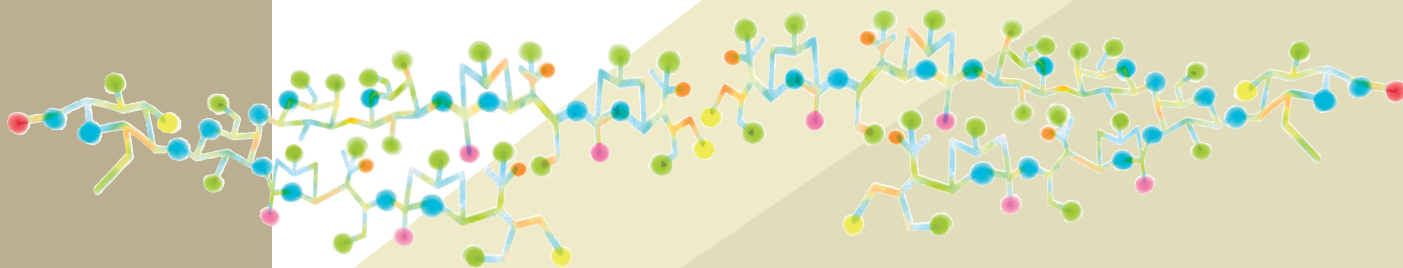


Mizutani Foundation for Glycoscience



Aim

The Mizutani Foundation for Glycoscience, on the basis of its global policy, awards grants to glycoscientists worldwide for innovative basic and applied research proposals, supports international exchanges of researchers in the field of glycoscience and also relevant meetings and their hosting organizations, aiming to promote glycoscience and contribute to the welfare of humankind.

Major Activities

The Foundation conducts the following activities in order to achieve the above goals.

1. Worldwide award of research grants for innovative basic and applied research proposals in the field of glycoscience
2. Assistance in international exchanges between Japanese and overseas glycoscientists
3. Contribution to glycoscience-related meetings and their hosting organizations
4. Conduct other activities necessary to achieve the aims of the Foundation

Organization

Chairperson : Ken Mizutani

Trustees : Tamao Endo, Tomoya Ogawa, Toshisuke Kawasaki, Kunihiko Suzuki,
Yasuo Suzuki, Masaki Yanagishita

Auditors : Takayasu Kishi, Nobuhiro Takeuchi

Councilors : Yukishige Ito, Taturou Irimura, Makoto Kiso, Ken Kitajima, Yuji Shimojima,
Naoyuki Taniguchi, Shoko Nishihara, Yousuke Funakoshi, Koichi Honke

Secretary General : Hiroshi Maruyama

Research Grant Awarded in 2024

Mizutani Foundation for Glycoscience received 117 research grant applications from 30 countries in 2023.

After careful evaluation for scientific and social merit, potentiality and feasibility, the Foundation decided to award the grants of approximately 70 million yen in total to the following 14 projects.

Grant recipients

(in alphabetical order)

1. Arda, Ana

Center for Cooperative Research in Bioscience - CICbioGUNE, Spain
Cell surface competing lectin binding by 19F-NMR

2. Bommer, Guido

de Duve Institute, Belgium
Hereditary glycosylation defect due to the failure to protect a sensitive enzyme

3. Boulard, Matthieu

European Molecular Biology Laboratory, Italy
A novel role of chromatin glycosylation in the epigenetic control of ribosome biogenesis

4. Dehesh, Katayoon

University of California, Riverside, United States
Decoding Golgi-Mediated Glycosylation in Hypometabolism-associated Aging

5. Fujita, Yuki

Shimane University, Japan
Mechanism of neural circuit formation by glycoproteins

6. Harada, Yoichiro

Osaka International Cancer Institute, Japan
An intrinsic mechanism to suppress N-glycosylation and its role in cancer

7. Huang, Mia

The Scripps Research Institute, United States
Chemoproteomic mapping of the Man(b1-4)GlcNAc disaccharide interactome in cells

8. Hung, Shang-Cheng

Academia Sinica, Taiwan
Development of microarrays for probing specific GAG-protein interactions

9. Jacinto, Estela

Rutgers, the State University, United States
Regulating T cell receptor diversity by the hexosamine pathway

10. Kambe, Taiho

Kyoto University, Japan
Inhibition of cancer cell growth by suppressing Golgi mannosidase II activation

11. Katoh, Toshihiko

Kyoto University, Japan
Studies on association between mucin O-glycome and gut microbiome

12. Orellana, Ariel

Andres Bello University, Chile
Unveiling the UDP-Arap Transporter in Plant Cell Wall Biosynthesis

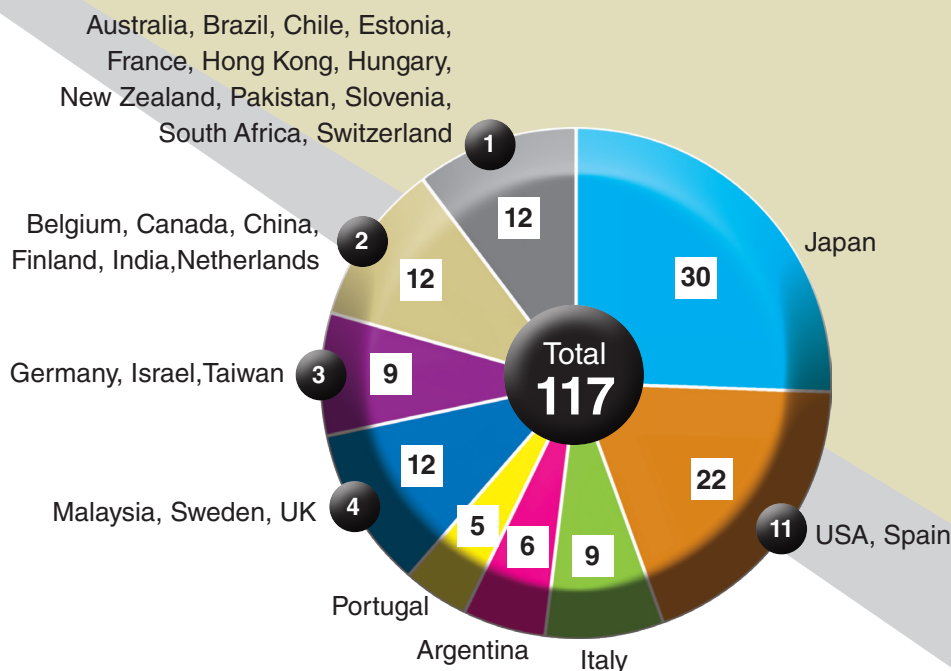
13. Pshezhetsky, Alexey

CHU Ste-Justine, University of Montreal, Canada
Role of Neuraminidase 1 in psoriasis development

14. Yellajoshyula, Dhananjay

Casen Western Reserve University, United States
Identification of glial inhibitory proteoglycans in the neurological movement disorder dystonia

Number of applicants by country



Grantees 1993-2024

Mizutani Foundation for Glycoscience invited research grants for thirty one times and received 4,396 applications from 61 countries. After careful evaluation by the selection committee, the Foundation approved 497 projects of 31 countries and awarded a total of approximately 2,365 million yen to them.

Grant recipients
1993-2024

Total
497



Number of applicants by country
1993-2024

Country	Applicants	Country	Applicants	Country	Applicants
USA	1,471	Denmark	22	Chile	5
Japan	672	Hungary	21	South Africa	5
UK	254	Malaysia	20	Bulgaria	3
Italy	227	Austria	16	Hong Kong	3
Australia	194	Ireland	14	Turkey	3
Israel	151	Taiwan	14	Costa Rica	2
Canada	150	Greece	13	Cuba	2
Spain	140	New Zealand	13	Estonia	2
Sweden	127	Norway	13	Iceland	2
France	115	Nigeria	11	Serbia&Montenegro	2
Germany	98	Poland	11	Tanzania	2
Netherlands	84	Mexico	10	Colombia	1
Argentina	82	Slovak Rep.	10	Iran	1
Portugal	71	Korea	8	Jamaica	1
China	54	Croatia	7	Kenya	1
Finland	47	Slovenia	7	Peru	1
Switzerland	47	Thailand	7	Saudi Arabia	1
Brazil	38	Uruguay	7	Sri Lanka	1
India	37	Czech Rep.	6	Uganda	1
Belgium	33	Pakistan	6	Total	4396
Russia	23	Singapore	6	Country	61

The 32nd Research Grant Offer for 2025

Mizutani Foundation for Glycoscience invites grant applications for basic and applied studies in the field of glycoscience.

Eligibility

An applicant must

- 1) have a doctor's degree or its equivalent
- 2) have a documented capability of performing independent studies
- 3) be a member of a research institute where he or she can carry out the proposed project.

Previous grant recipients who were awarded prior to 2020 are eligible.

Grant

As much as 7,000,000 yen may be requested. In principle, a grant will be approved for one year. However, if desired, the period can be extended up to one year with the approval of the Foundation. The total budget for grants is 70,000,000 yen per annum. No more than 10% of the grant may be used for indirect costs (overheads), and no part of the grant may be used for stipends of the principal and/or collaborative investigators.

Selection

The applications will be reviewed by the selection committee consisting of specialists appointed by the Foundation based on followings.

- 1) Glycoscience field
- 2) Originality
- 3) Scientific and social merit
- 4) Feasibility

Application

An applicant must

- 1) make registration on our website,
(<https://www.mizutani.or.jp/grant/apply.html>)
We open registration page from July 1st, 2024.
- 2) submit application documents as a single ZIP file.
(Please obtain application guidelines and forms from our website in your preferred format.)

Deadlines

September 1, 2024 (Japan Time). Selection Outcome will be notified to the applicants no later than February 20, 2025, and the successful proposals will be funded in March 2025.

The Protection of Personal Information: The Foundation will use personal information obtained in relation to the Research Grant for administrative purposes.

International Conferences

Mizutani Foundation for Glycoscience offers grants to the organizers of international conferences to promote exchanges between Japanese and foreign glycoscientists. In the fiscal year 2023, we supported following conferences.

Exchange Program

1.	Gordon Glycobiology Seminar and Conference	California, USA, 3/11-17,2023
2.	The 21st European Carbohydrate Symposium (EUROCARB21)	Paris, France, 7/9-13,2023
3.	The 26th International Symposium on Glycoconjugates (GLYCO26)	Taipei, Taiwan, 8/27-9/1,2023
4.	89th Harden Conference Proteoglycans: Matrix Master Regulators 2023	Surrey, UK, 9/4,2023
5.	2023 Society for Glycobiology annual meeting (SFG2023)	Hawaii, USA, 11/5-8,2023

Grant for Domestic Conferences in Japan

This grant is for organizers of domestic conferences held in Japan. We supported following conferences in the fiscal year 2023.

Domestic Conferences in Japan

1.	第 23 回関西グライコサイエンスフォーラム	大阪、5/20, 2023
2.	第 55 回日本結合組織学会学術大会	岡山、6/24, 2023
3.	第 37 回日本キチン・キトサン学会大会	鳥取、9/5-6, 2023
4.	第 42 回日本糖質学会年会	鳥取、9/7-9, 2023
5.	糖鎖科学中部拠点フォーラム「若手の力」と糖鎖科学講義	静岡、9/21, 2023
6.	第 22 回青森糖質研究会	青森、10/6, 2023
7.	第 33 回日本メイラード学会年会	東京、10/12-13, 2023
8.	第 17 回東北糖鎖研究会	群馬、11/11-12, 2023
9.	第 17 回多糖の未来フォーラム	東京、11/17, 2023
10.	第 20 回糖鎖科学コンソーシアムシンポジウム	東京、11/30-12/1, 2023

Grant Offer for Conferences

Grant Application Guidelines for Glycoscience Meeting

The Mizutani Foundation is to contribute to the welfare of mankind through promotion of scientific exchange between Japanese and foreign glycoscientists by contributing international conferences on glycoscience.

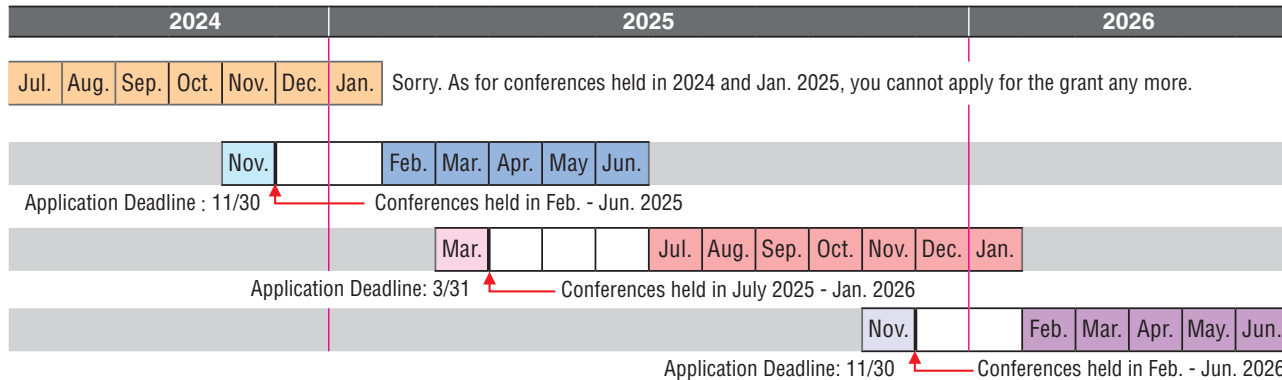
Proposals should be made an application format by the chairperson of the meeting.

After the meeting, please submit us a report of the meeting (the form is available from our website) within one month.

Our total yearly budget is JPY 5,000,000 and we expect to support approximately 20 conferences every year.

The deadline date by which the application must be submitted

Due to taking the time to review, the complete application must be emailed by deadline (Japan time).



1. November, 30 : For the meetings planned to be held in next February, March, April, May, and June
2. March, 31 : For the meetings planned to be held in this July, August, September, October, November, December and next January



Mizutani Foundation for Glycoscience

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