



Advancing Scientific and Educational Partnerships with African Countries in Medicine and Life Sciences

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The Expanding Role of African Universities in Global Academia



Top-500 Life sciences & Medicine

20+ universities from South Africa, Egypt, Uganda, Kenya, Ghana, Tanzania, Nigeria and Zimbabwe.



МИНИСТЕРСТВО НАУКИ
И ВЫСШЕГО ОБРАЗОВАНИЯ
РОССИЙСКОЙ ФЕДЕРАЦИИ

70+ interdepartmental memorandums, intergovernmental agreements on the recognition of education and agreements on cooperation in science and higher education with African countries.



РИА
НОВОСТИ

«30,000+ citizens from African countries come to Russia every year to study at universities»
The most popular fields of study - **medicine**, economics, energy and construction.

International cooperation -

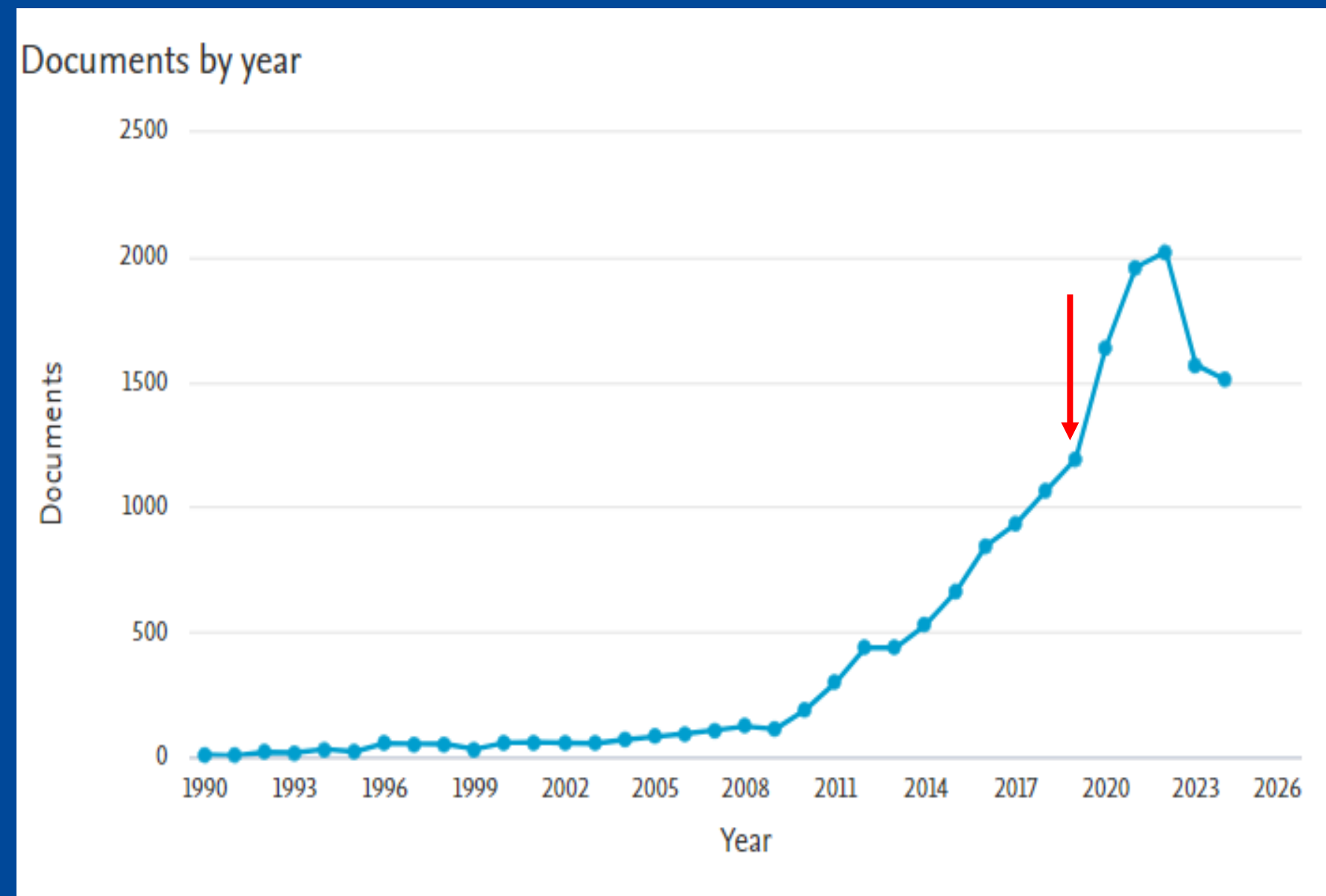
to acquire cutting-edge knowledge and skills in healthcare

Education -
driver of
change

Russia-Africa Scientific Collaboration: Progress and Key Areas of Focus

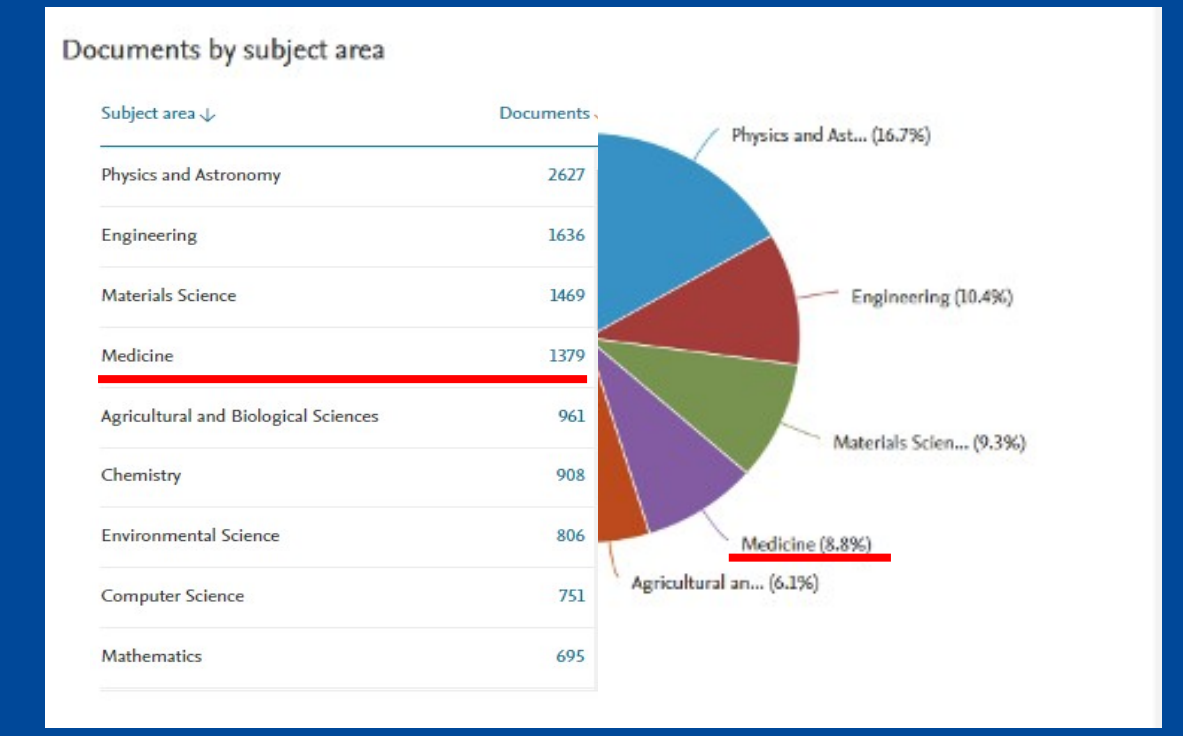
9 000+ papers in collaboration (2020-2024)

Growing number of joint papers



2 000+ papers in medicine and life sciences

TOP 4 - Medical research



Leading research topics

1. Noncommunicable diseases
2. Infectious diseases
3. Diagnostics and Radiology
4. Surgery

Driving Medical Research: Sechenov University's Role

394 papers in medicine and life sciences (2020-2024).

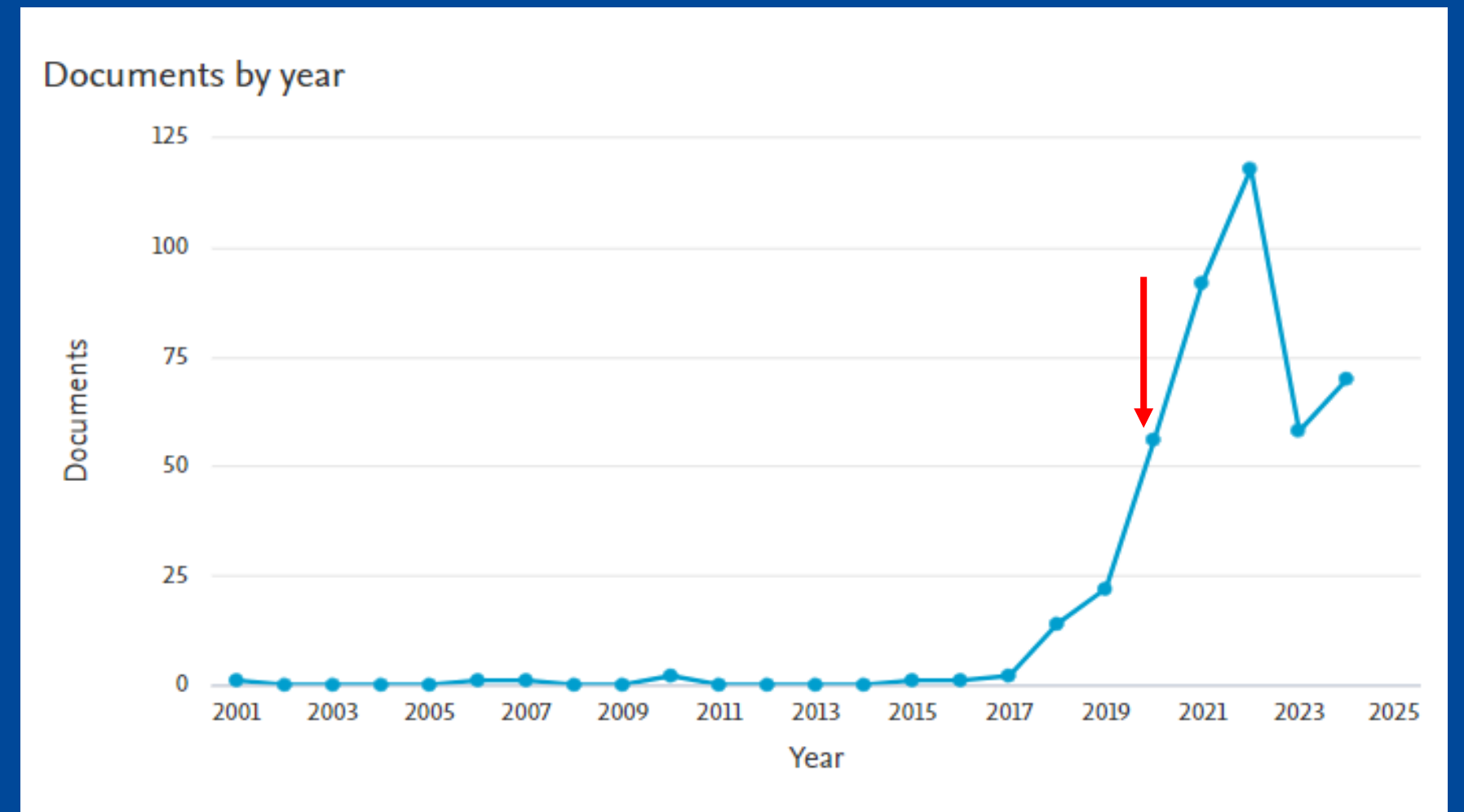
Major research topics

- Infectious diseases
- Noncommunicable diseases
- Cancer research & Immunotherapy
- Biomaterials

Major collaborations

- South Africa
- Nigeria
- Kenya
- Egypt
- Tunisia
- Algeria

Skyrocketing of joint papers during COVID-19 pandemic



Sechenov University in figures



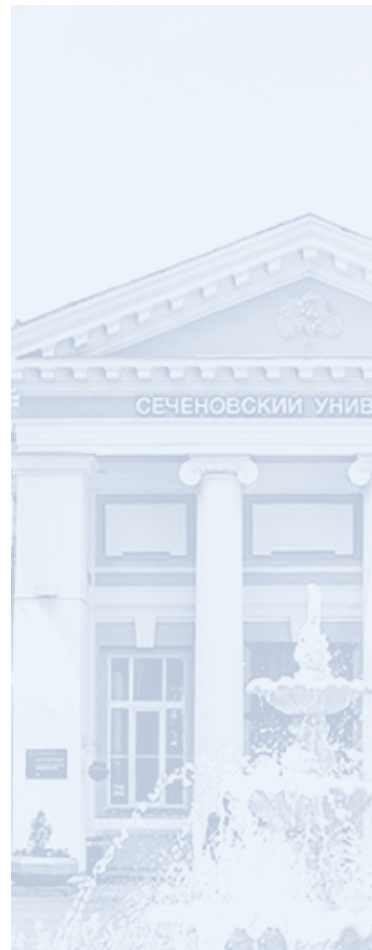
645+

doctors of science



1500+

candidates of science



25

clinics



25

Research and educational centers



30+

Scientific laboratories



90+

Scientific student groups

27 000+
students

6000+
international students from
112 countries



Medicine: 201–250
Pharmacy & pharmacology : 92
Biological sciences: 251–300
Life Sciences & Medicine : 328



Leading research university

Institute of Molecular Medicine

Institute for Regenerative Medicine

Institute of Bionic Technology and Engineering

Institute of Personalized Oncology

Institute of Molecular Theranostics

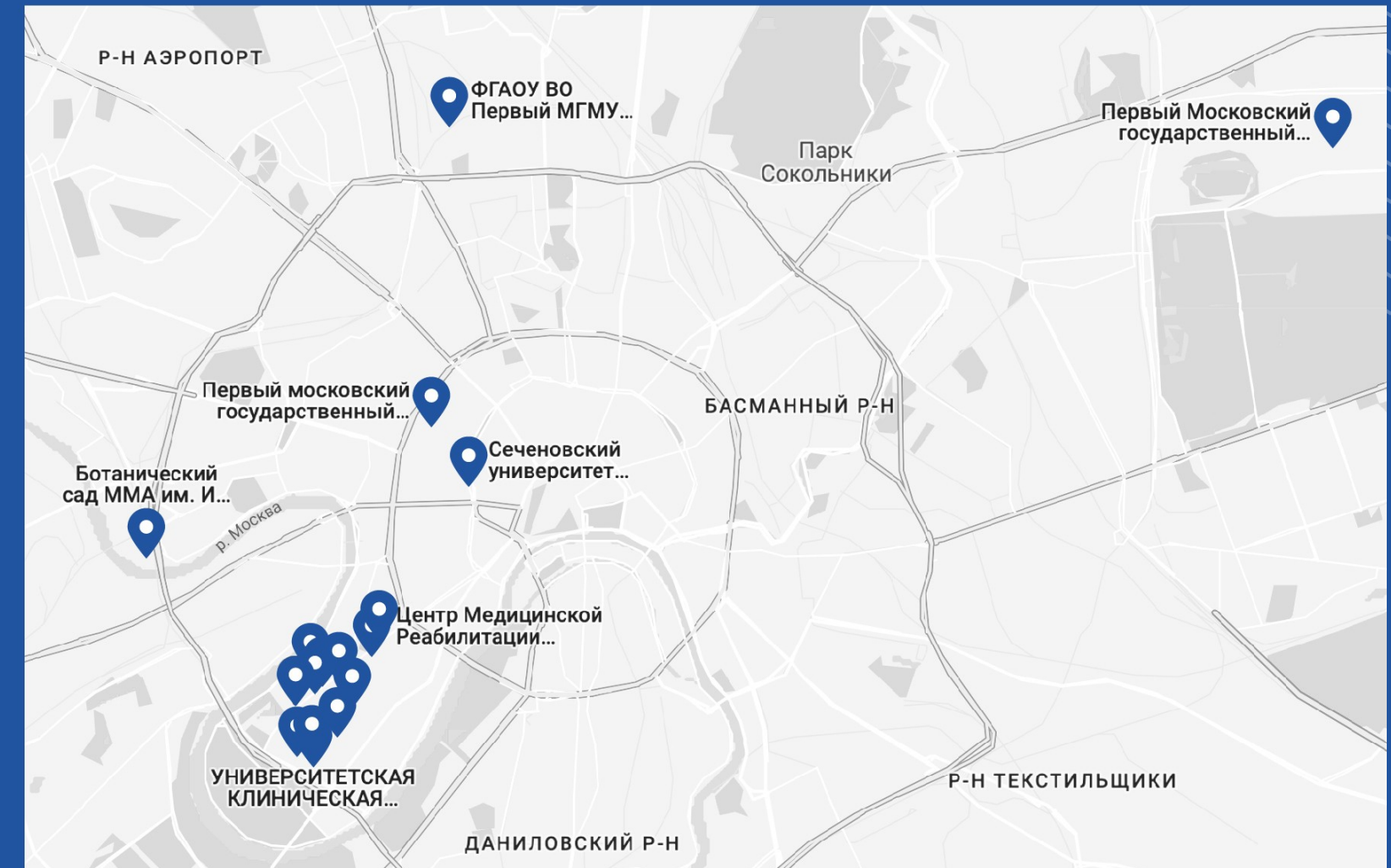
Institute of Personalized Cardiology

Institute of Translational Medicine and Biotechnology

Institute of Computer Science & Mathematical Modeling

One of the largest medical centers in Europe

6



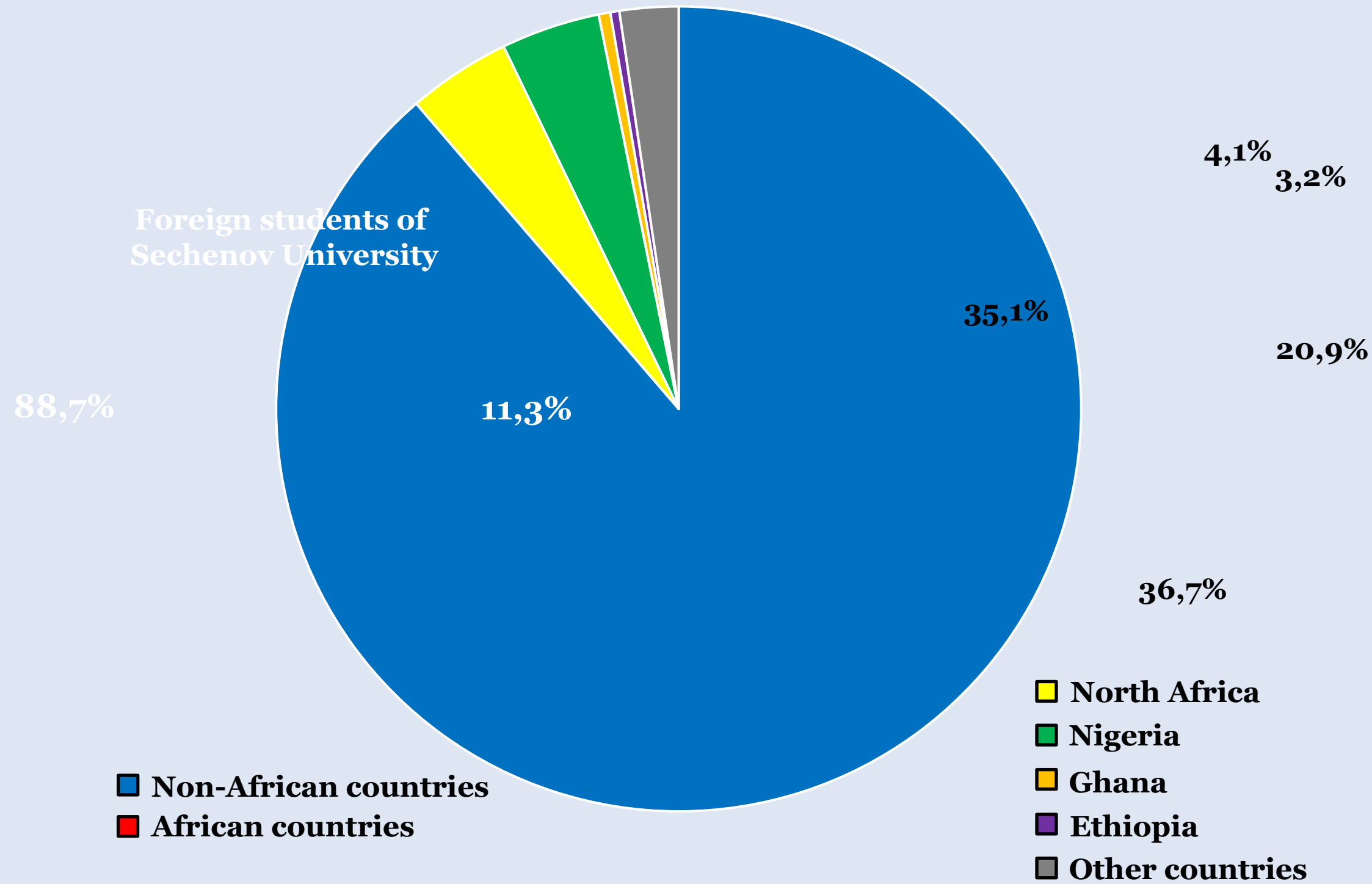
5
hospitals

25
clinics

75 000+
in-patients

144 000+
out-patients

Educational Bridges: Sechenov University and Africa






- Overall - 532 students
- Under scholarship - 310 students

	Country	Overall	Scholarship
1	Nigeria	187	173
2	Egypt	92	19
3	Tunisia	40	1
4	Algeria	40	12
5	Ghana	22	13
6	Ethiopia	17	17
7	Cameroon	15	7
8	Morocco	13	0
9	South Africa	11	0
10	Mauritania	10	7
11	Angola	9	7
12	Zimbabwe	8	5
13	Zambia	8	8
14	Mozambique	6	6
15	Sierra Leone	5	2
16	Congo	5	4
17	Uganda	4	1
18	Sudan	3	1
19	Botswana	3	2
20	Cote d'Ivoire	3	3
21	Mali	3	3
22	Tanzania	3	1
23	Gabon	2	2
24	Libya	2	1
25	Djibouti	2	0
26	Namibia	2	2
27	Kenya	2	2
28	Togo	2	2
29	Guinea Bissau	2	2
30	Rwanda	2	1
31	Niger	2	1
32	South Sudan	2	1
33	Somalia	1	1
34	D. R. of the Congo	1	1
35	Gambia	1	0
36	Malawi	1	1
37	Sao Tome and Principe	1	1

Building Academic Bridges. Joint Research and Innovation

Academic collaboration:

	University of Port Harcourt Nigeria	Cooperation agreement – 2013
	University of Namibia Namibia	Cooperation agreement – 2014
	University of Cape Town South Africa	Cooperation agreement – 2024



Scientific collaboration:

- Joint project with South Africa in development of innovative personalized products using bioprinting (sponsored by Ministry of science and higher education of the Russian Federation)
- Proceeding partnership in regenerative technologies - **University of Cape Town, Stellenbosch University**

Research Cooperation

Establish Joint Research Projects

- Initiate collaborative research in priority areas (e.g. infectious and chronic diseases).
- Secure joint funding (international grant) to support research and attract top experts.

Launch Researcher Exchange Programs

- Build long-term scientific partnerships through regular academic exchanges.

Organize International Conferences and Events

- Host annual conferences with leading Russian and African researchers.
- Encourage participation of students and young researchers to share knowledge.

Educational Cooperation

Create Specialized Modules on Relevant Topics

- Design courses on African health issues: public health, infectious disease prevention, health administration.

Launch Professional Development and Distance Learning Programs

- Provide training courses and distance learning for medical professionals.
- Develop online courses and webinars for continuous professional development.



**SECHENOV
UNIVERSITY**

Thank you for your attention!