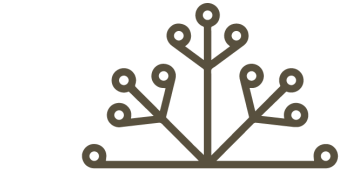
An Interactive Database of Life-Science Researchers in India

User Guide

TABLE OF CONTENT



IndiaBioscience

ENGAGING COMMUNITIES ENABLING CHANGE

About the Project

A Note from us at IndiaBioscience

In order to bring the best of India's life scientists together, IndiaBioscience organizes the annual Young Investigators' Meetings (YIM). YIM allows young Indian scientists who represent the future of Indian biology to meet each other, make friendships, start collaborations, and share ideas for developing their laboratories. It brings together an eclectic mix of India's best young life science researchers, post-doctoral fellows, renowned Indian and international scientists, representatives of various grant-funding agencies and science policymakers.

This project of **mapping the researchers in the life sciences in India** was initiated to serve as a resource to:

1. Help locate and connect to the community of life-science researchers, including (but not limited to) the past attendees of the YIM series
2. Help map the pool of resources providing relevant information (location, affiliation, discipline, expertise, and links to lab websites)
3. Help foster collaborations within the community

We hope that you enjoy searching through this database and that you find this resource useful. If you are a YIM alumnus or a life-scientist in India, and would like to be added to this resource, please contact us at hello@indiabioscience.org. If you have any suggestions on improving this resource, please feel free to contact us as well.

Sincerely,

Team IndiaBioscience

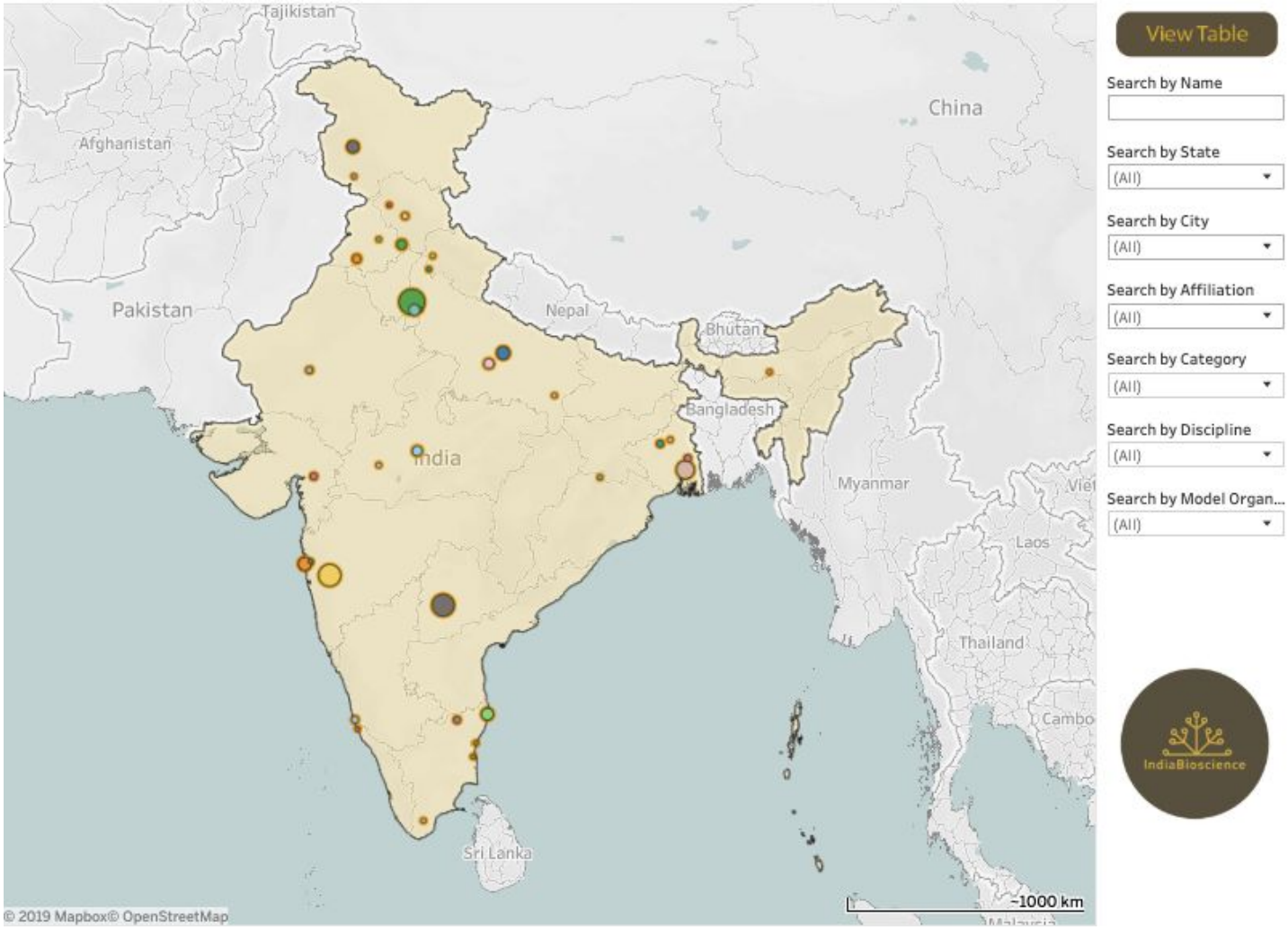
www.indiabioscience.org

What can you do with this resource?

1. Use map view to **visualise spread** and **geo-distribution** of life scientists in India
2. Use the map view to **visualise the gender distribution** of life scientists in India
3. Switch to table view to view a **list of life scientists** and details associated with each
4. Filter data by **name, gender, geolocation, affiliation, discipline** and **model organisms**
5. Query the database using a **combination of filters** to get specific results - Example, ask *how many life scientists in the **city of mumbai** that work on **cell biology** using **fruit fly** as a model system?*
6. Access further details on the life scientist's work using their **lab website / institutional profiles**
7. Access the researcher's **google scholar profiles** where available
8. Add or update your information if you are a independent researcher in the life sciences situated in India

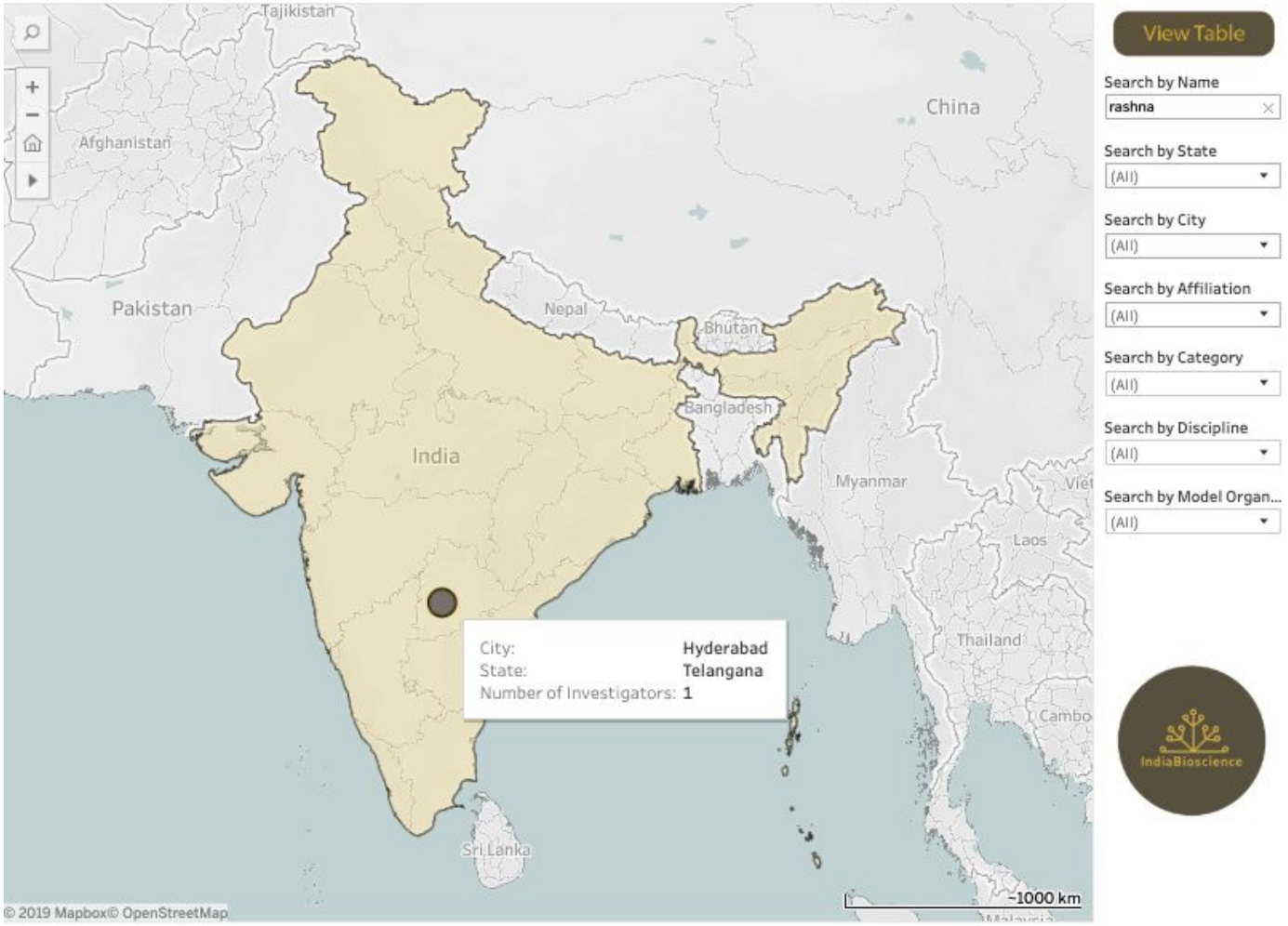
I : Geo-Locations of Life-Scientists in India

The map depicts the geo-distribution of life-scientists in India. The data is coloured by city and sized by the number of investigators in the city.



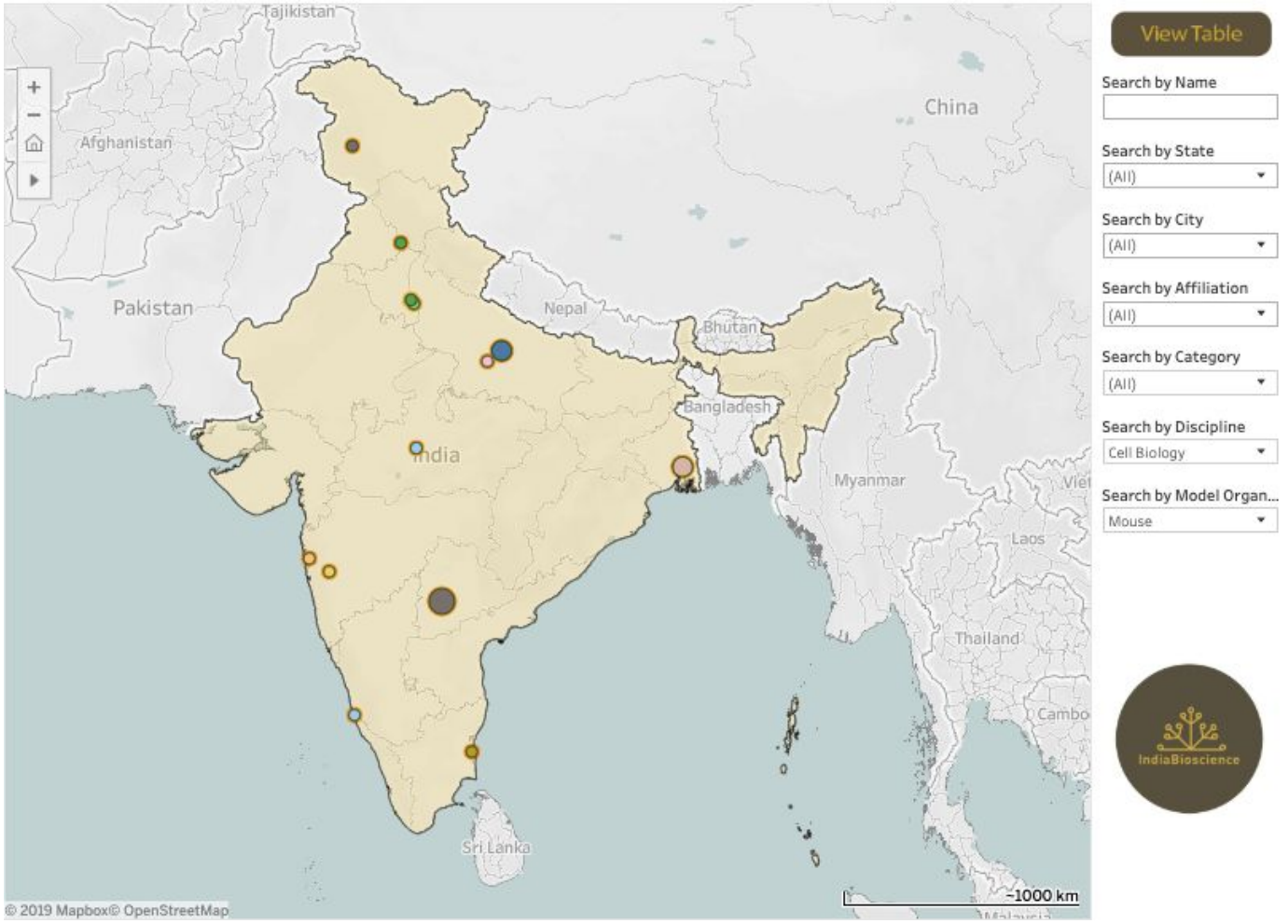
II: Filtering the Database Using the Filter Menu

The filters on the right allow you to search by **name, geo-location** (state and city), **category** (alumnus of a YIM series etc.), institutional **affiliation** as well as the **discipline** and **model organism** used by the investigator. *[Example: searching the database for a name "X" will locate the result on the map if a corresponding entry exists]*



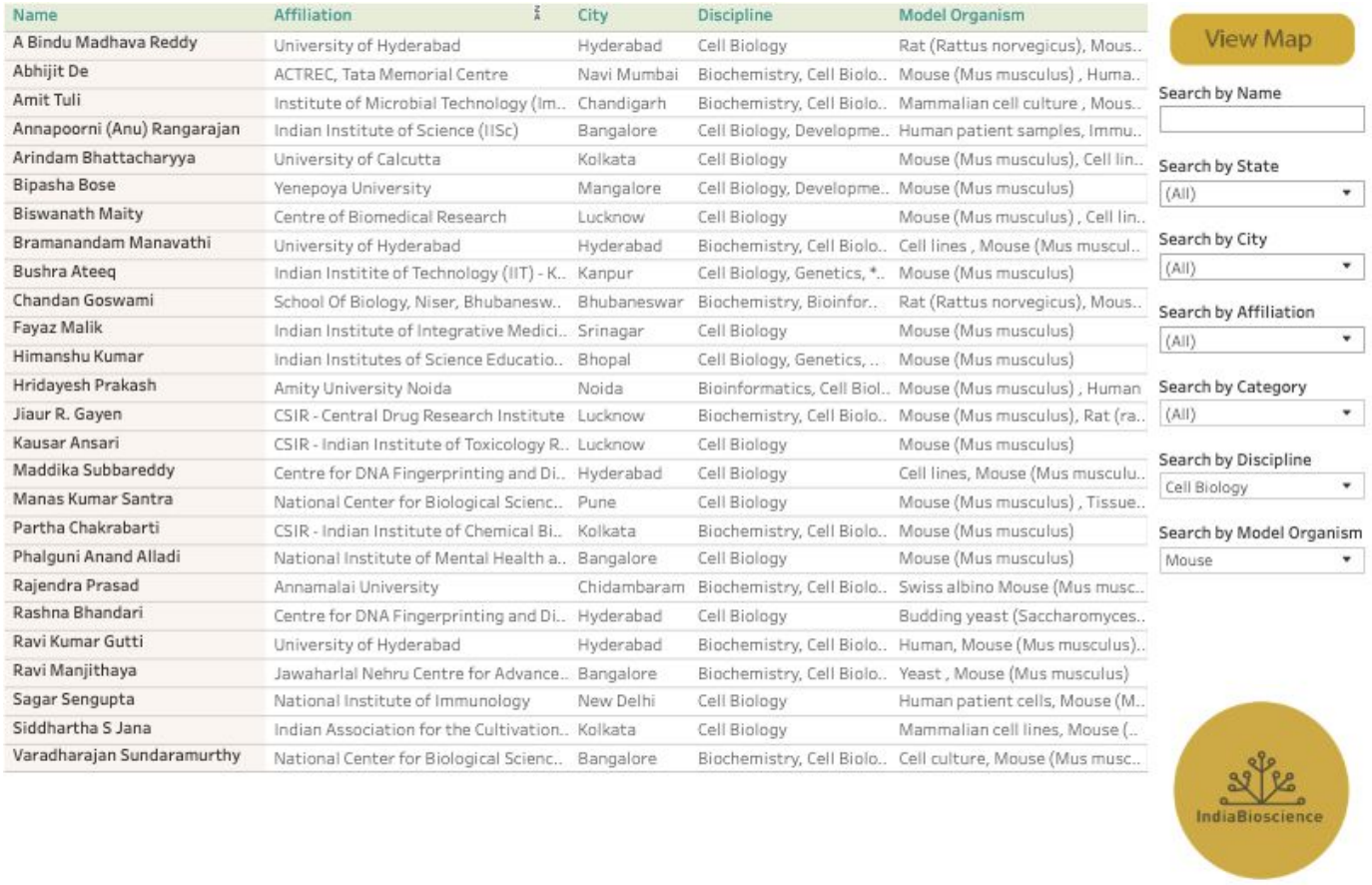
III: Using Multiple Filters

A **combination of filters** can be used to search the database. *[For example, a search for investigators that work on **"cell biology"** using **"mouse"** models will display the corresponding subset of investigators that match the filter criteria on the map,]*



IV: Switching to Table View

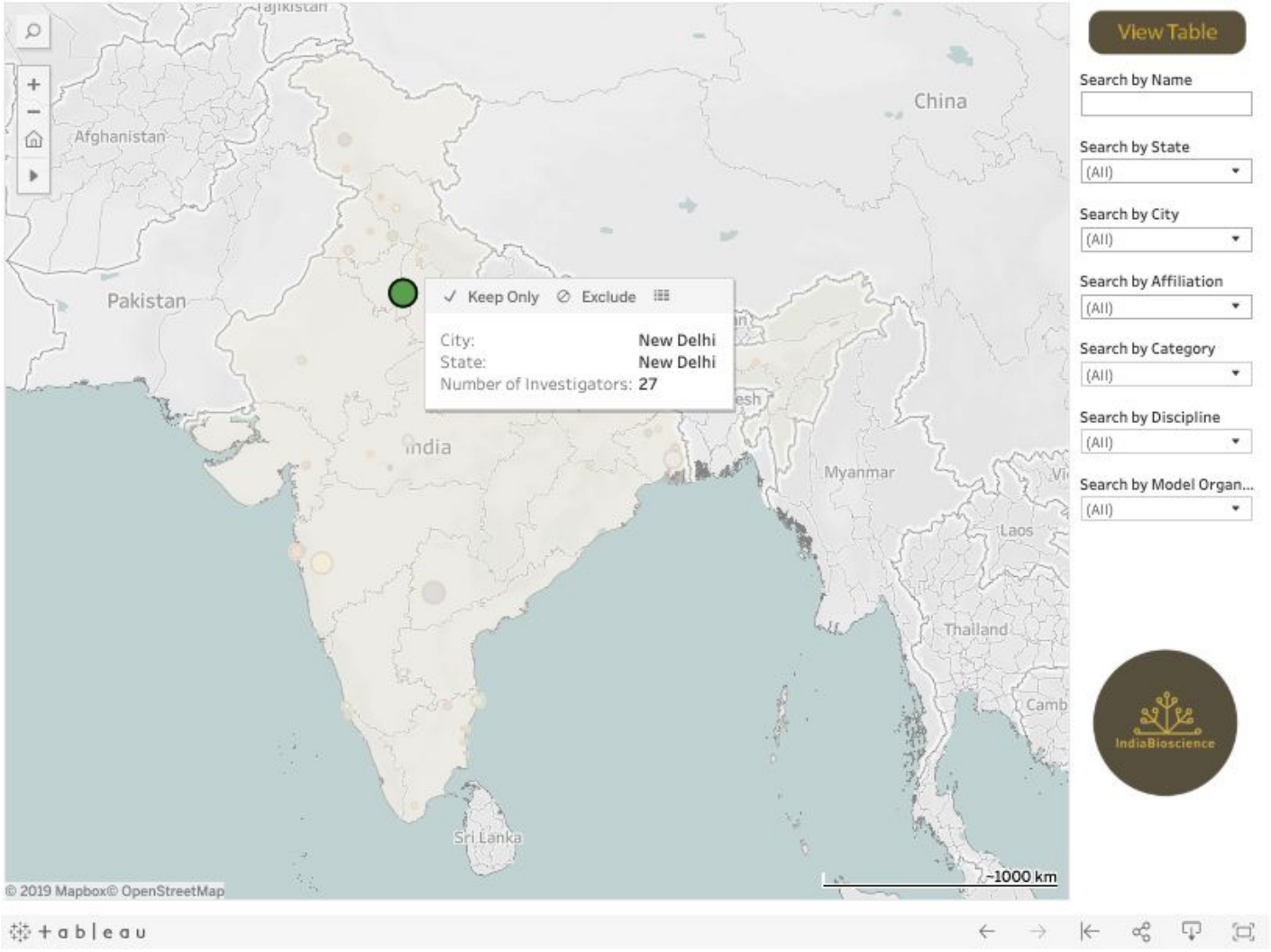
The entries corresponding to the data points displayed on the map can be viewed in a table, using the **"View Table"** button in the top right corner. Any filters already selected will be automatically applied to the table. New filters can be applied to the results in the table using the menu on the right. The existing filters can be reset using the reset filter options in the individual filter menus (*see section VI*). You may toggle back to the map view, using the "**View Map"** button, as needed.



Name	Affiliation	City	Discipline	Model Organism
A Bindu Madhava Reddy	University of Hyderabad	Hyderabad	Cell Biology	Rat (Rattus norvegicus), Mous..
Abhijit De	ACTREC, Tata Memorial Centre	Navi Mumbai	Biochemistry, Cell Biolo..	Mouse (Mus musculus) , Huma..
Amit Tuli	Institute of Microbial Technology (Im..	Chandigarh	Biochemistry, Cell Biolo..	Mammalian cell culture , Mous..
Annapoorni (Anu) Rangarajan	Indian Institute of Science (IISc)	Bangalore	Cell Biology, Developme..	Human patient samples, Immu..
Arindam Bhattacharyya	University of Calcutta	Kolkata	Cell Biology	Mouse (Mus musculus), Cell lin..
Bipasha Bose	Yenepoya University	Mangalore	Cell Biology, Developme..	Mouse (Mus musculus)
Biswanath Maity	Centre of Biomedical Research	Lucknow	Cell Biology	Mouse (Mus musculus) , Cell lin..
Bramanandam Manavathi	University of Hyderabad	Hyderabad	Biochemistry, Cell Biolo..	Cell lines , Mouse (Mus muscul..
Bushra Ateeq	Indian Institite of Technology (IIT) - K..	Kanpur	Cell Biology, Genetics, *..	Mouse (Mus musculus)
Chandan Goswami	School Of Biology, Niser, Bhubanesw..	Bhubaneswar	Biochemistry, Bioinfor..	Rat (Rattus norvegicus), Mous..
Fayaz Malik	Indian Institute of Integrative Medici..	Srinagar	Cell Biology	Mouse (Mus musculus)
Himanshu Kumar	Indian Institutes of Science Educatio..	Bhopal	Cell Biology, Genetics, ..	Mouse (Mus musculus)
Hridayesh Prakash	Amity University Noida	Noida	Bioinformatics, Cell Biol..	Mouse (Mus musculus) , Human
Jiaur R. Gayen	CSIR - Central Drug Research Institute	Lucknow	Biochemistry, Cell Biolo..	Mouse (Mus musculus), Rat (ra..
Kausar Ansari	CSIR - Indian Institute of Toxicology R..	Lucknow	Cell Biology	Mouse (Mus musculus)
Maddika Subbareddy	Centre for DNA Fingerprinting and Di..	Hyderabad	Cell Biology	Cell lines, Mouse (Mus musculu..
Manas Kumar Santra	National Center for Biological Scienc..	Pune	Cell Biology	Mouse (Mus musculus) , Tissue..
Partha Chakrabarti	CSIR - Indian Institute of Chemical Bi..	Kolkata	Biochemistry, Cell Biolo..	Mouse (Mus musculus)
Phalguni Anand Alladi	National Institute of Mental Health a..	Bangalore	Cell Biology	Mouse (Mus musculus)
Rajendra Prasad	Annamalai University	Chidambaram	Biochemistry, Cell Biolo..	Swiss albino Mouse (Mus musc..
Rashna Bhandari	Centre for DNA Fingerprinting and Di..	Hyderabad	Cell Biology	Budding yeast (Saccharomyces..
Ravi Kumar Gutti	University of Hyderabad	Hyderabad	Biochemistry, Cell Biolo..	Human, Mouse (Mus musculus)..
Ravi Manjithaya	Jawaharlal Nehru Centre for Advance..	Bangalore	Biochemistry, Cell Biolo..	Yeast , Mouse (Mus musculus)
Sagar Sengupta	National Institute of Immunology	New Delhi	Cell Biology	Human patient cells, Mouse (M..
Siddhartha S Jana	Indian Association for the Cultivation..	Kolkata	Cell Biology	Mammalian cell lines, Mouse (..
Varadharajan Sundaramurthy	National Center for Biological Scienc..	Bangalore	Biochemistry, Cell Biolo..	Cell culture, Mouse (Mus musc..

V: Cross-Filtering the Database

Any data point on the map can be used to generate a filtered display of corresponding entries in the table. To view all investigators in the country, click on any point in the country map outside the data points marking city locations. *[Example, clicking "New Delhi" on the map will display a table populated with only the investigators from New Delhi]*



Name	Affiliation	City	Discipline	Model Organism
Anil Kumar	National Institute of Immunology	New Delhi	Bioinformatics, Microbi..	None
Arnab Mukhopadhyay	National Institute of Immunology	New Delhi	Cell Biology, Developme..	Caenorhabditis elegans
Dhiraj Kumar	International Centre for Genetic Engi..	New Delhi	Bioinformatics, Cell Biol..	Mycobacterium tuberculosis
Gitanjali Yadav	National Institute of Plant Genome R..	New Delhi	Bioinformatics	None
Gopaljee Jha	National Institute of Plant Genome R..	New Delhi	Genetics, Microbiology,..	Rice, Rhizoctonia solani, Burkh..
Jagis Gupta Kapuganti	National Institute of Plant Genome R..	New Delhi	Biochemistry, Cell Biolo..	Plant - Arabidopsis, Tomato, Ri..
Jagreet Kaur	University of Delhi	New Delhi	Genetics, * Other	Plant - Arabidopsis thaliana
Kavita Arora	Jawaharlal Nehru University	New Delhi	Biochemistry	Human cell lines
Md. Imtaiyaz Hassan	Jamia Millia Islamia	New Delhi	Biochemistry	None
Mohan C Joshi	Jamia Millia Islamia	New Delhi	Cell Biology, Genetics, ..	E. coli
Naseem Gaur	International Centre for Genetic Engi..	New Delhi	Genetics, Microbiology,..	Budding yeast (Saccharomyces..
Pradipta Bandyopadhyay	Jawaharlal Nehru University	New Delhi	Biophysics	None
Prof. Girdhar K. Pandey	University of Delhi South Campus	New Delhi	Cell Biology, Molecular ..	Arabidopsis thaliana, yeast, E. ..
Rajeev Kaul	University of Delhi South Campus	New Delhi	Microbiology	Cell culture
Ranjana Arya	Jawaharlal Nehru University	New Delhi	Biochemistry, Cell Biolo..	Mammalian cells
Rohini Muthuswami	Jawaharlal Nehru University	New Delhi	Biochemistry, Molecula..	Mammalian cells, yeast (Candi..
Sagar Sengupta	National Institute of Immunology	New Delhi	Cell Biology	Human patient cells, Mouse (M..
Saima Aijaz	Jawaharlal Nehru University	New Delhi	Cell Biology, Molecular ..	Human - Epithelial cell lines , e..
Senthil-Kumar Muthappa	National Institute of Plant Genome R..	New Delhi	Molecular Biology, * Ot..	Arabidopsis thaliana, tomato, ..
Sudip Sen	All India Institute of Medical Sciences	New Delhi	Biochemistry, Cell Biolo..	Human - Primary cells, Cancer c..
Sujatha Sunil	International Centre for Genetic Engi..	New Delhi	Bioinformatics, Cell Biol..	Mosquito (Aedes aegypti)
Suneel Kateriya	Jawaharlal Nehru University	New Delhi	Cell Biology	Algae (Chlamydomonas reinha..
Surajit Sarkar	University of Delhi South Campus	New Delhi	Cell Biology, Developme..	Fruit-fly (Drosophila melanoga..
Swati Tiwari	Jawaharlal Nehru University	New Delhi	Cell Biology	Human Cell lines, Amoeba (Ent..
Vibha Taneja	Sir Ganga Ram Hospital	New Delhi	Cell Biology, Microbiolo..	Yeast, Motor neuronal cell mo..
Vinay Nandicoori	National Institute of Immunology	New Delhi	Biochemistry, Cell Biolo..	Bacteria - Mycobacterium tube..
Yashwanti Mudgil	University of Delhi	New Delhi	Cell Biology, Developme..	Plant - Arabidopsis thaliana

View Map

Search by Name

Search by State
(All)

Search by City
(All)

Search by Affiliation
(All)

Search by Category
(All)

Search by Discipline
(All)

Search by Model Organism
(All)

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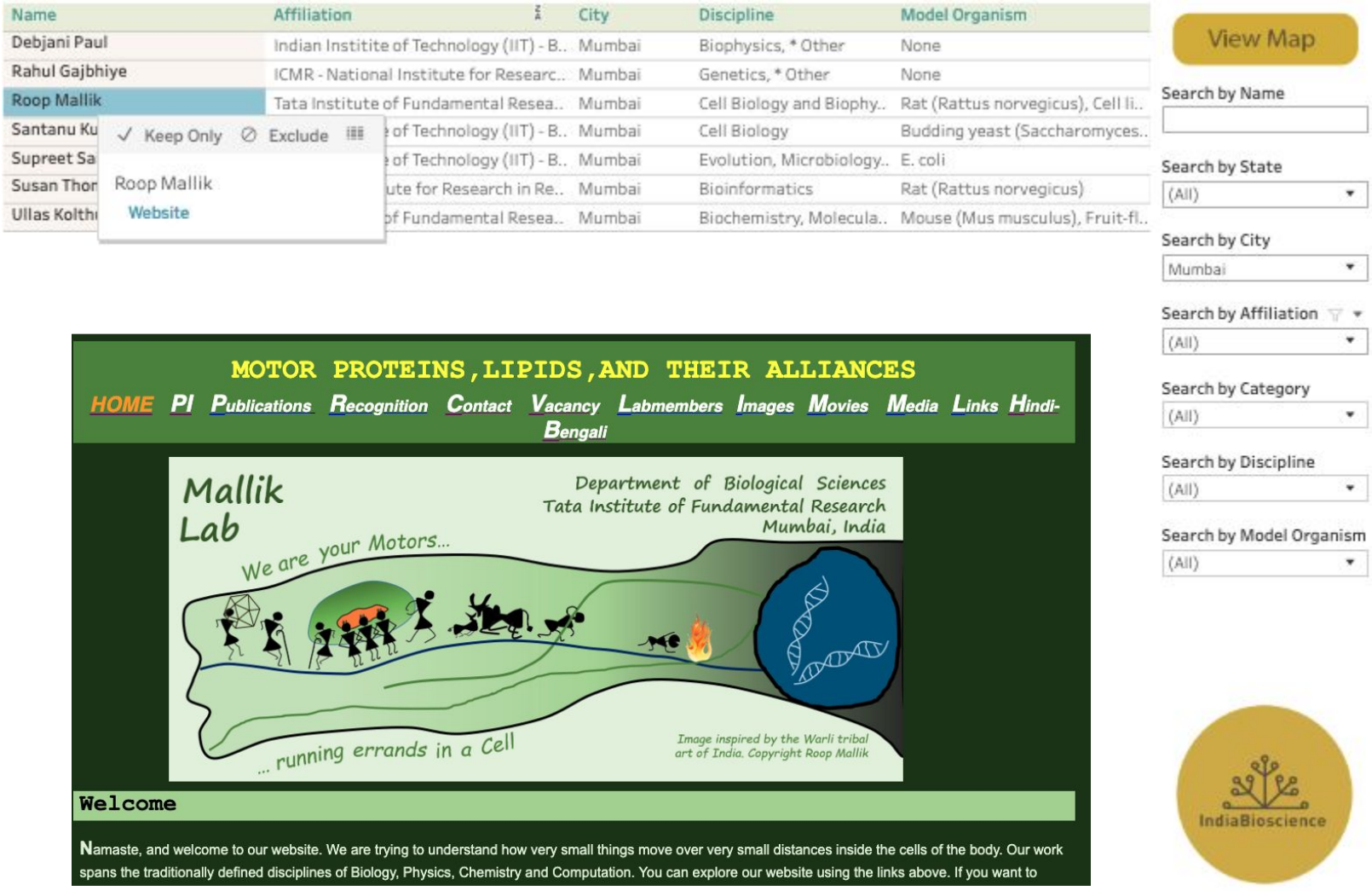
V: Link to Investigator's Website

When you click on any investigator in the table, a drop-down menu appears (this may take a few seconds) with an option to **visit their website**. Click on the '**Website'** option to explore their work.



VI: Resetting Filters

There are multiple ways to reset filters.

1. **Resetting Individual Filters:**
    a. Click on the *"funnel icon"* in the individual filter selected to reset the filter.
    b. Select the *"(All)"* option for the individual filter selected to reset the filter.
2. **Resetting All Filters:**
    a. To "reset all", simply refresh your browser.