

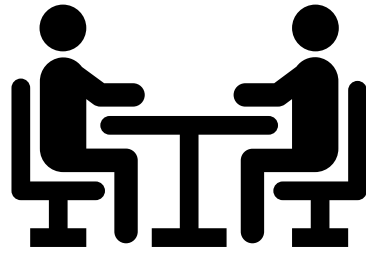
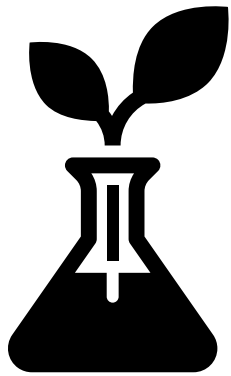
Michigan Neuroscience Institute – Resource Database





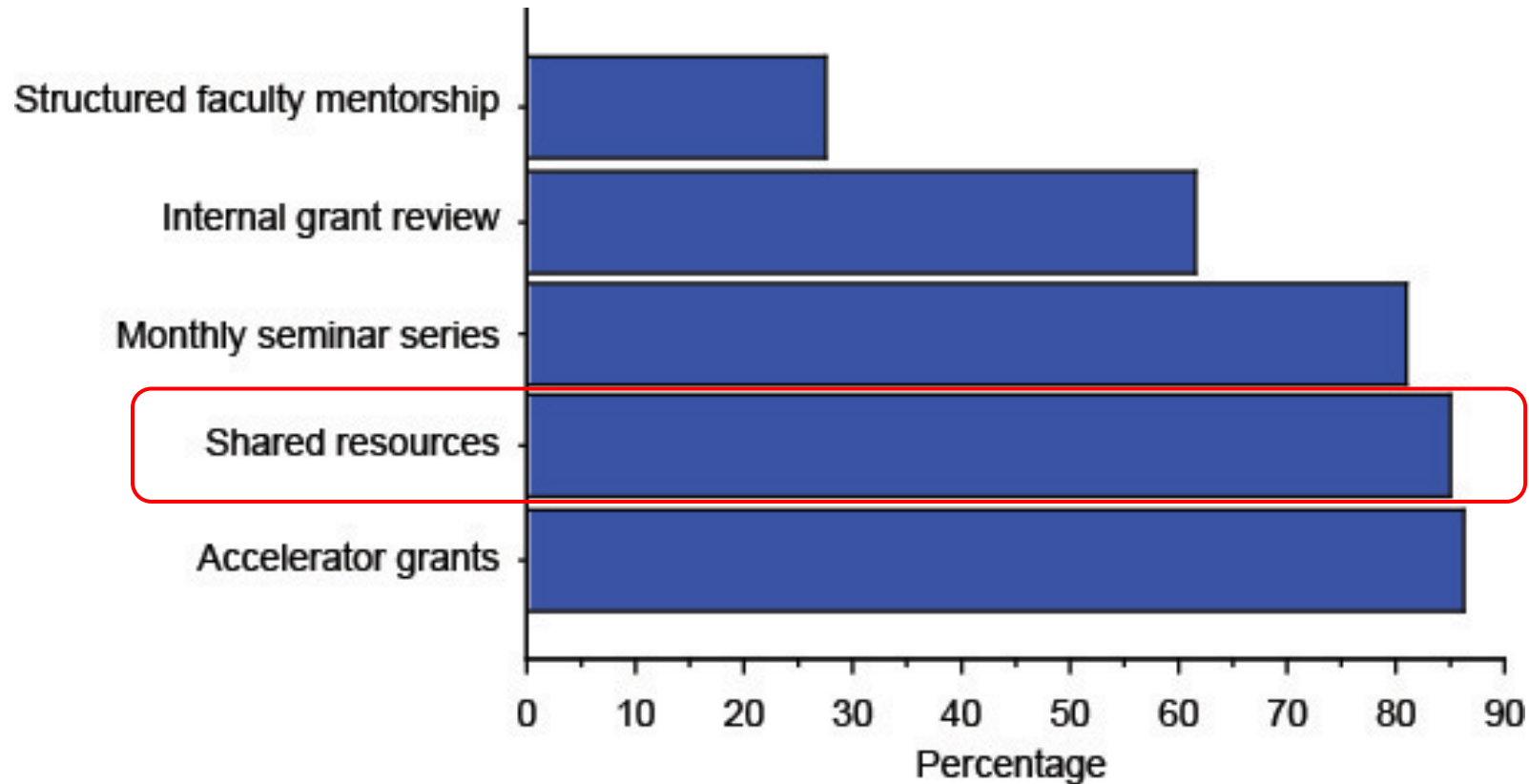
Overview

- Why a shared resource database?
- From poll to platform
- Live MNI Resource Database demonstration
- Factors to keep in mind & next steps
- Points of discussion
- Open Q&A



Why a Shared Resource Database?

What are potential benefits of becoming an MNI faculty affiliate?



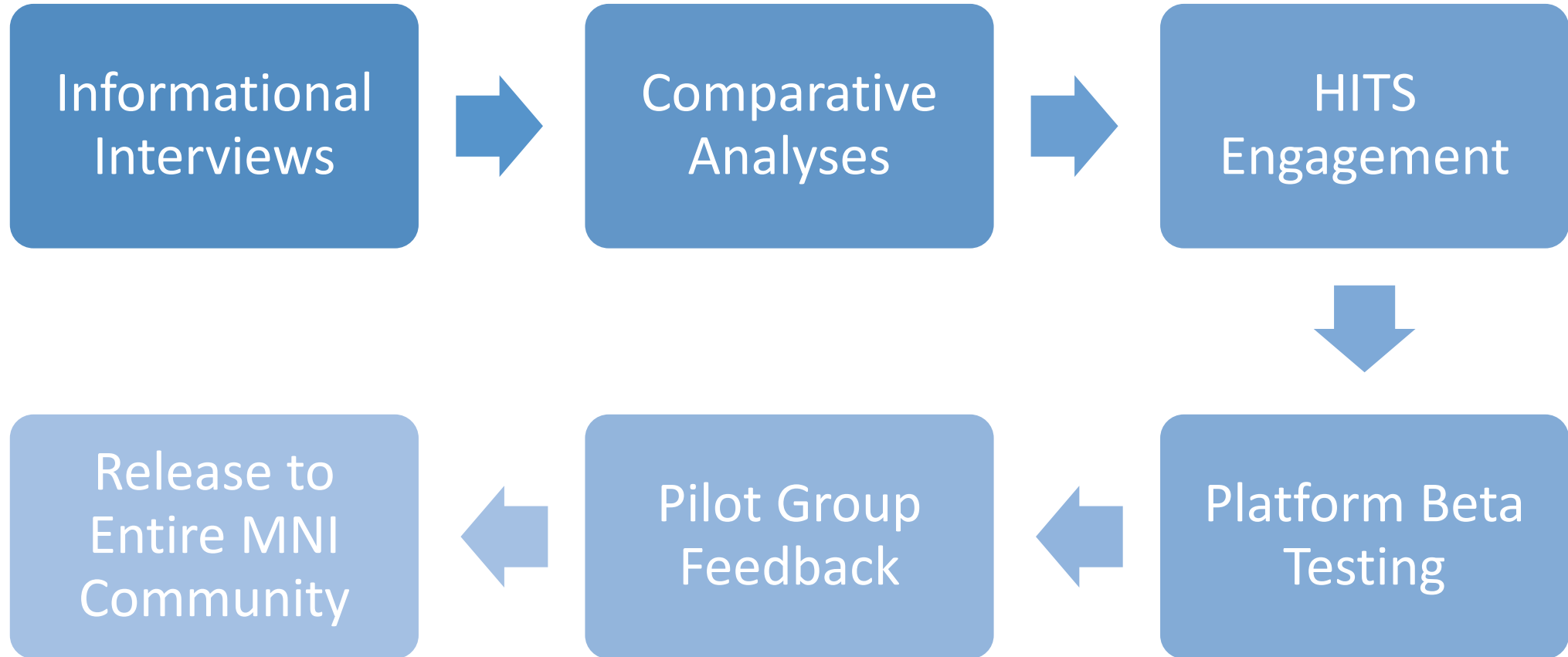
What types of resources would be most useful in a shared database? What would you share?

What platform would be most accessible & effective?

How much detail should be present?

How and how often should the database be updated?

The Journey



The MNI Resource Database

Equipment Type ▾	Equipment Name ▾	Manufacturer Name ▾	Model # ▾	Shared Access ▾	Important Notes ▾	Building ▾
Surgical	Stereoscope	AmScope	7X-45X Trinocular Stereo Zoom Microscope with Black Double Arm Boom Stand	Open source with permission & training		BSRB
Other	Blue laser	Shanghai Laser & Optics Cent	BL473T8-100FC + ADR-800A	Open source with permission & training		BSRB
Other	Yellow laser	Shanghai Laser & Optics Cent	YL589T6-100FC + ADR-800A	Open source with permission & training		BSRB
Other	Programmable pulse stimulator	AMP Instruments	Master-9 Pulse Stimulator	Open source with permission & training		BSRB
Other	Power meter	Thorlabs		Open source with permission & training	Digital Power & Energy Console, Si Sensor, 400 nm -1100 nm, 500 nW - 500 mW	BSRB
Microscope	Fluorescent Microscope	Olympus	BX51WI	Open source with permission & training	DIC, red/green/blue filter cubes	MS-I
Electrophysiology	Patch-clamp	Axon	Axopatch 200B	Open source with training & via collaboration	Capacitive feedback suitable for single channel recordings	MS-I
Electrophysiology	Patch-clamp	Axon	Multiclamp 700B	Open source with training & via collaboration		MS-I



Keep in Mind & Look Ahead

Accessibility

- non-HITS Microsoft 365
- @umich & level-1 password for login

Nascent Living Database

- Updated every 6mo-1yr
- Adaptive elements
- Open for feedback

Looking Ahead

- Grants database
- Expertise & protocol database

We Need Your Help!

Contribute

- Copy, complete, and submit the excel sheet on the MNI website to Lucas Huffman (lucashu@umich.edu) for incorporation into the Database
- Recruit lab techs/managers and senior graduate students to help
- Only submit resources you are willing to share, we want more “yes” than “maybe” or “no” to promote collaboration

Utilize

- Most should have access, but if not reach out to request
- Explore the user guide on the MNI website for navigation and instructions

Give Feedback

- More contributions and suggestions for improvement enhance usefulness
- Note and communicate any thoughts or comments to Lucas Huffman