

# Society for Neuroscience 2021

Behavioral Research

November, 2021



# Stronger. Together.



Pre-clinical solutions



Panlab



Cellular solutions



Molecular solutions



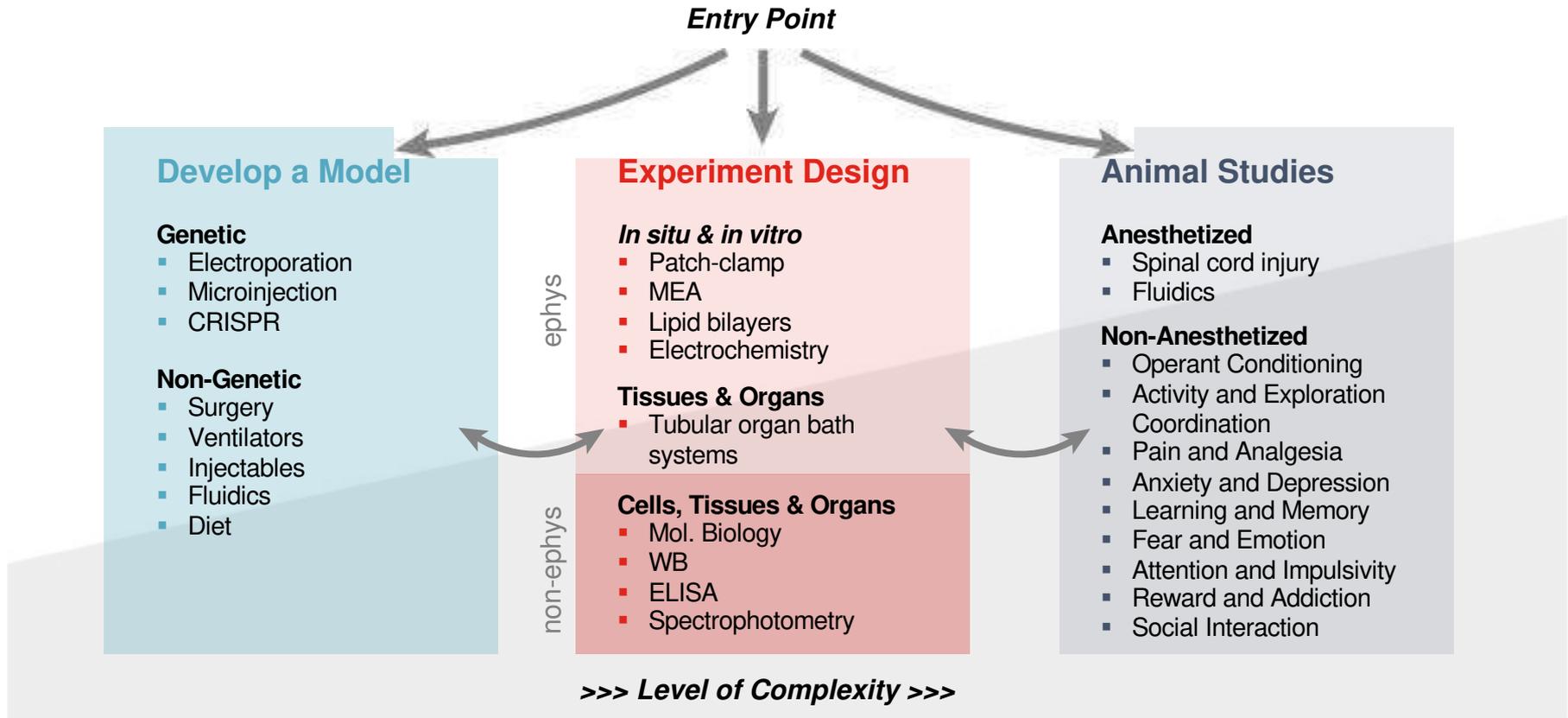
Support solutions



Powered by Harvard Bioscience, Inc.



# Neuroscience Research



- HA Ventilators & pumps • BTX Electroporators • Warner Microinjectors • HEKA Patch-clamp • MCS MEA Systems •
- HSE Isolated Organ • Hofer & SciePlas WB • Biochrom AAA • DSI Telemetry • Panlab & Coulbourn Behavior •

# Behavioral Research



## Comprehensive and trusted line of behavioral research tools

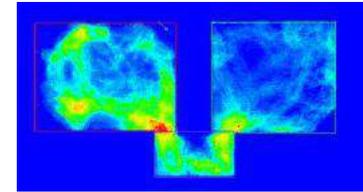
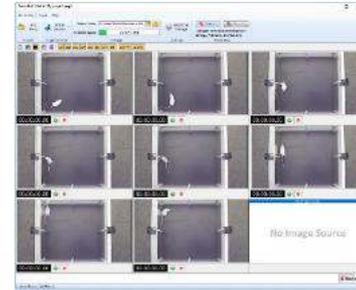
- Quality & Reliability
- Over 45 years of experience
- Fully validated solutions
- User-friendly, still flexible
- Standard and advanced experimental designs
- PhD staff on board for guidance and support



# Behavioral Research

## Wide range of applications

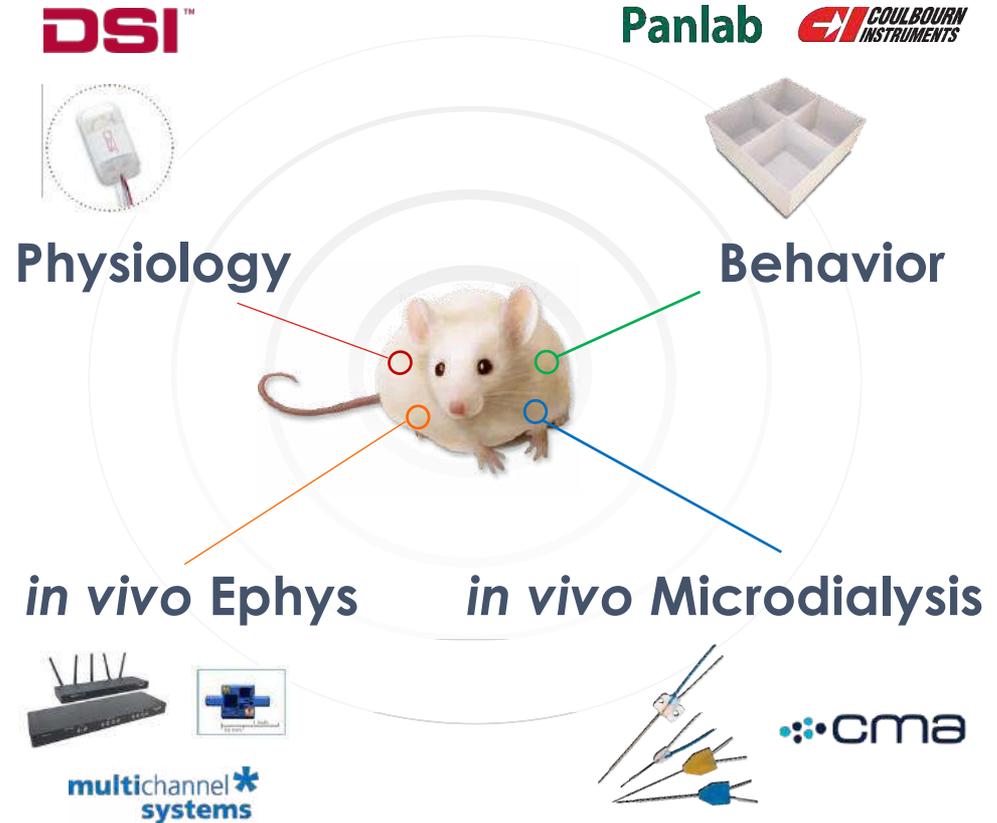
- Video Recording & Player
- Video Tracking & Mazes
- Operant & Fear Conditioning
- Startle Reflex
- Activity & Exploration
- Sensory Motor & Exercise
- Pain & Analgesia
- Reward & Addiction
- Cognition
- Social Interaction
- Metabolism & Nutrition



# Behavioral Research

## Refine your research

- Enhance the specificity of your behavioral studies
- Get better data, do better science
- Flexible, multidisciplinary approach, lets you combine behavior with other techniques
  - Telemetry
  - Optogenetics
  - *In vivo* Electrophysiology
  - *In vivo* Microdialysis

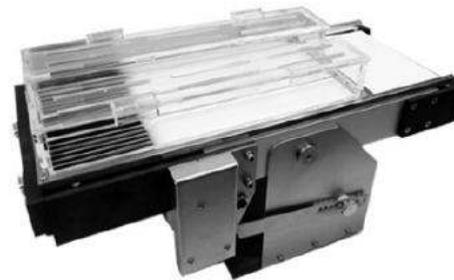


# Behavioral Research



## SfN spotlight products

- **Treadmills**  
Rat/mouse convertible treadmills
- **Rotarod**  
With new speed protocol and rocking modes
- **Record-it! Media**  
Video recording for up to 16 cameras and synchronization with operant boxes and fear conditioning
- **SMARTIO**  
Video tracking optogenetic pattern stimulation
- **Social Box for tethered animals**



# Behavioral Research

## Combine behavior with CMA in vivo microdialysis approach

- New solutions for **Alzheimer's disease** research
- High quality microdialysis probes for **large molecules**
- Proteins, cytokines, neuropeptides
- Fully validated **push-pull set-up**



# Why Harvard Bioscience?



Do you experience these challenges?	How Harvard Bioscience supports you
Inefficiencies due to multiple vendor transactions	Harvard Bioscience delivers a full suite of solutions to tackle your needs and minimize your headaches
Disconnect between adjacent labs	With scientists on staff, we are uniquely positioned to understand the requirements of all your labs, and construct a proposal that ensures the solutions for one lab appropriately feed the results of the others.
"We don't know what we don't know."	Experienced representatives can conduct an assessment to help you determine the solutions that are right for you.
Inefficiencies grant proposal applications	A trusted and reputable partner, Harvard Bioscience can provide expertise to support your grant proposals submissions.



# Behavioral Research



For more information on our behavioral research  
and microdialysis products:  
[www.datasci.com/solutions/behavior](http://www.datasci.com/solutions/behavior)  
[www.microdialysis.com](http://www.microdialysis.com)

