

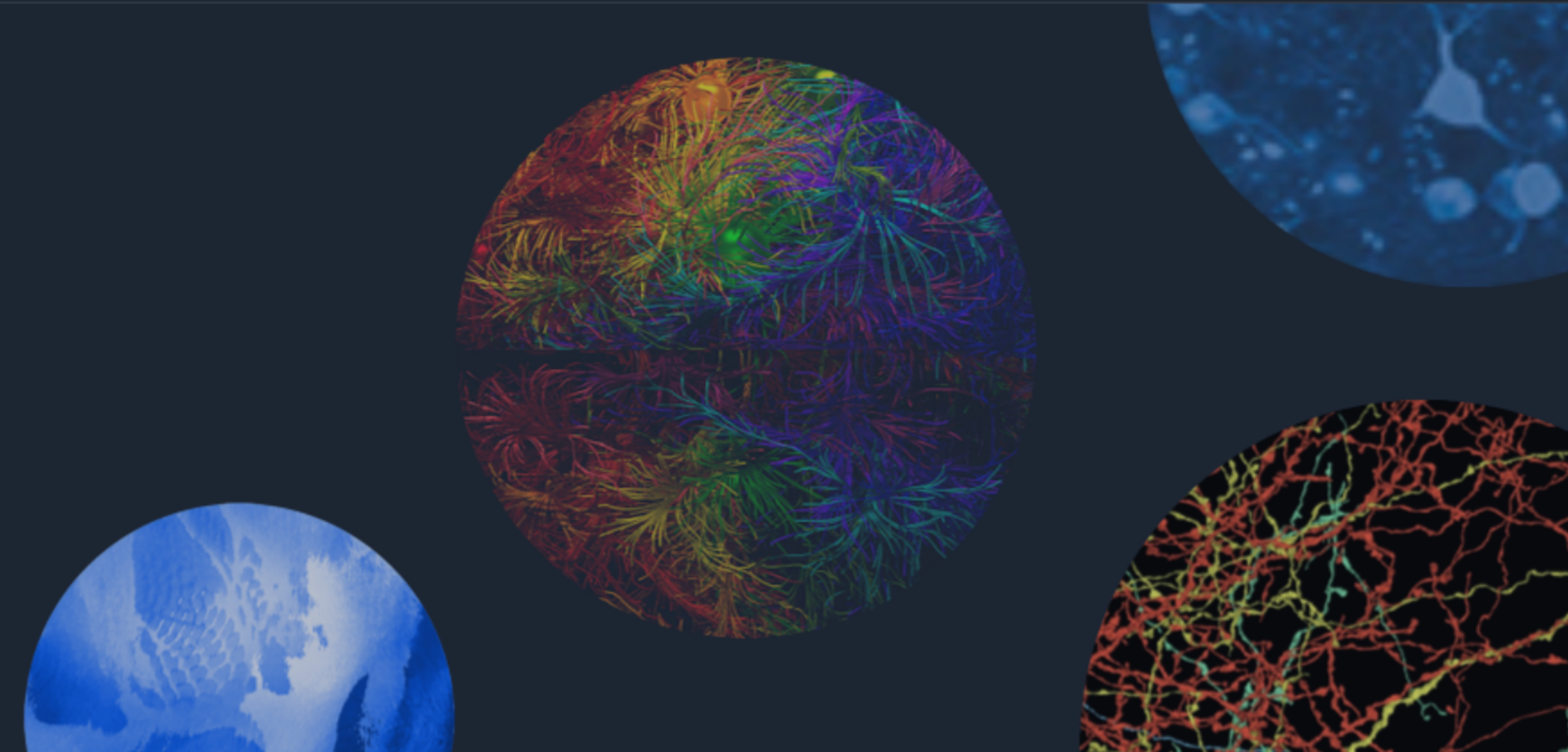
# Basic Generalized Linear Models with NeMoS

Billy Broderick

Jan 2025

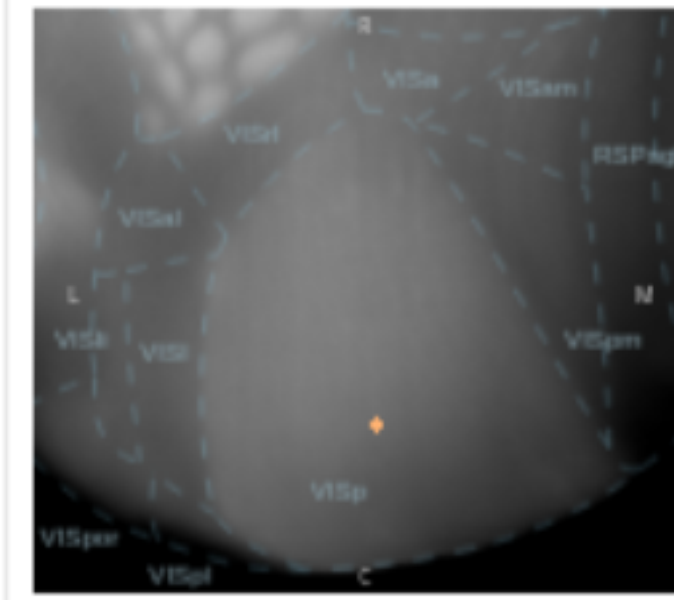


Accelerating progress  
toward understanding  
the brain



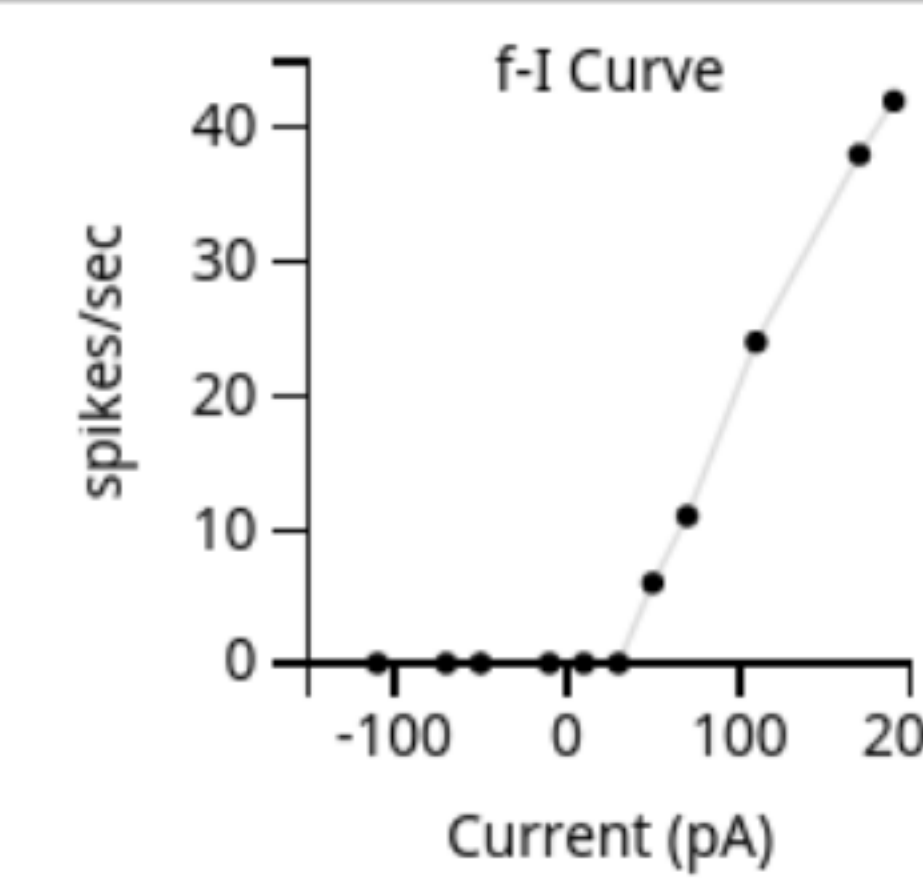
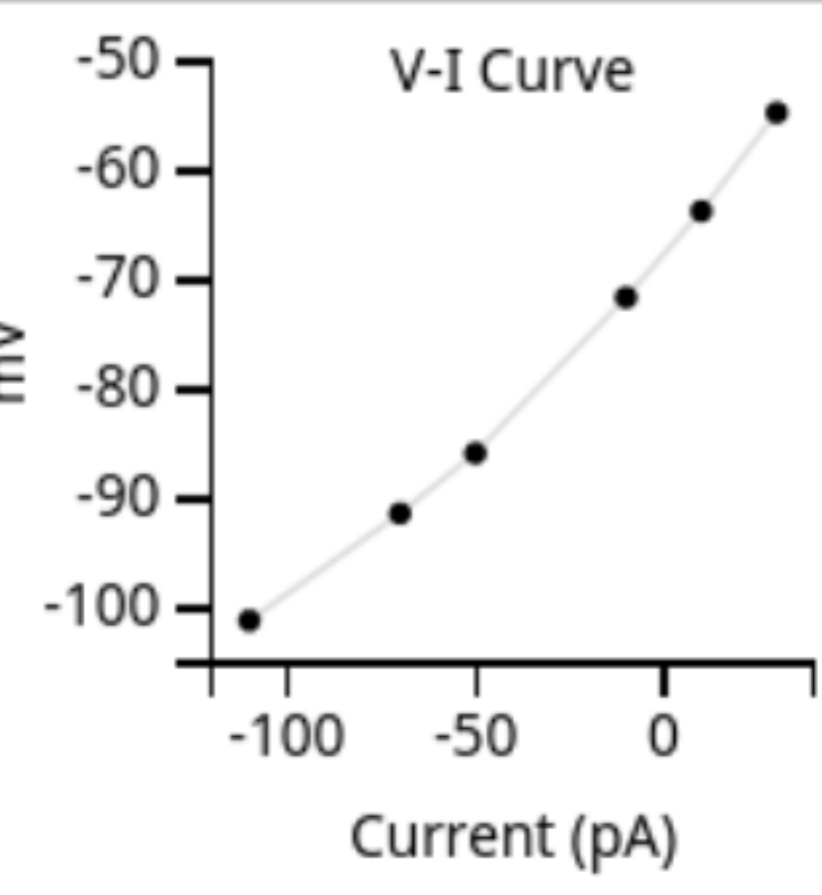


Electrophysiology Summary



Mouse Line	Rorb-IRES2-Cre
ID	478498617
Area	Primary visual area
Layer	4
Cell Reporter	
Dendrite Type	spiny
Apical Dendrite	truncated
Hemisphere	left

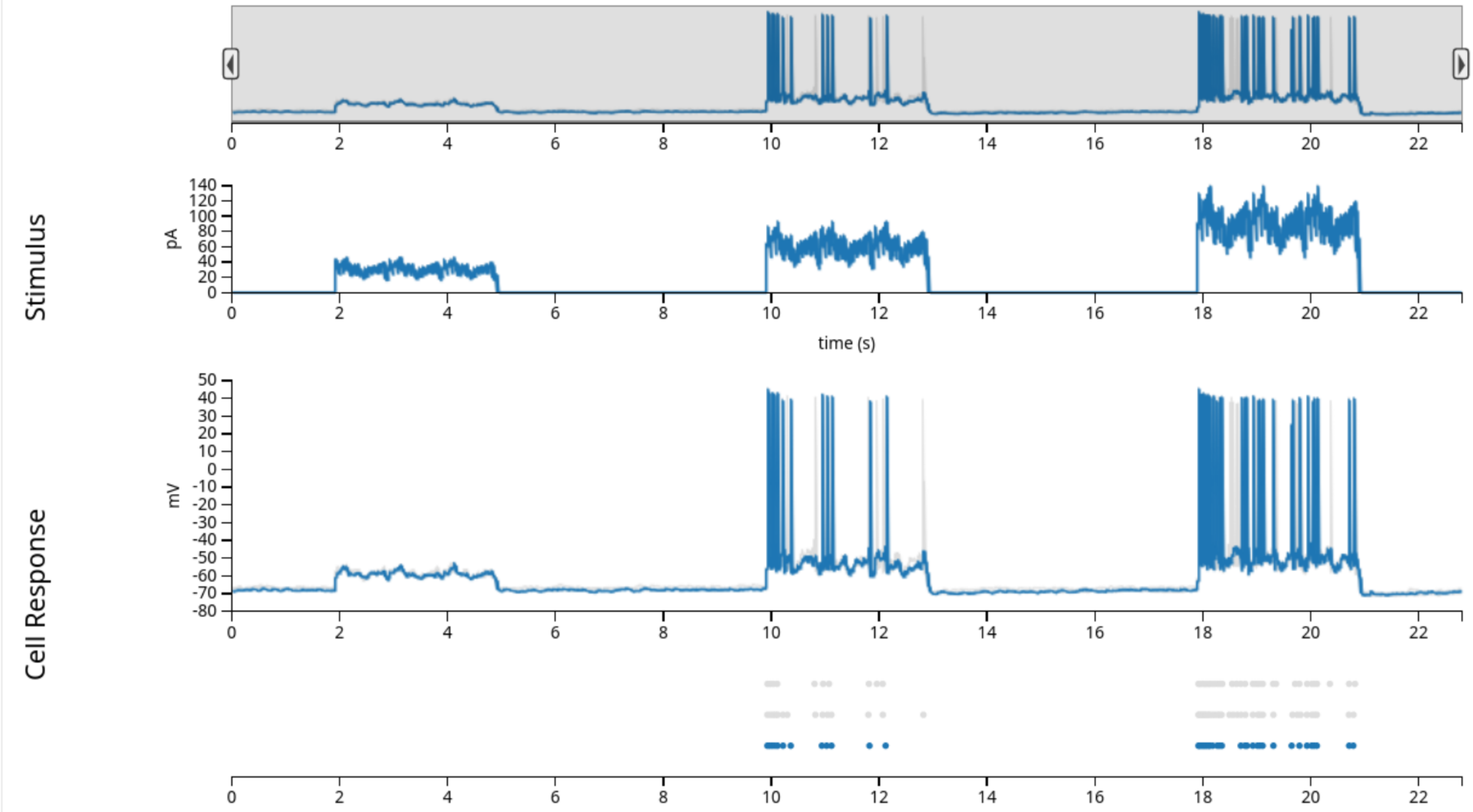
Upstroke:downstroke ratio	3.81
Adaptation Index	0.023
Rheobase	50
Membrane Time Constant	26.1
Firing Rate	24.1
Input Resistance	332
Ramp Spike Time	2.273
Resting Potential	-67.9
F/I Curve Slope	0.30



Browse Electrophysiology Data

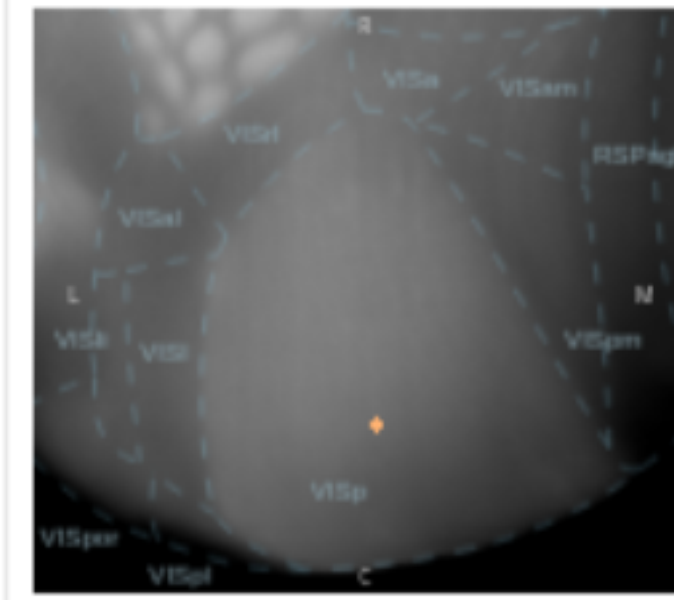
Select stimulus type  Select neuronal model  [Download data](#)

Select sweep:     
 Sweep: 50 Stimulus amplitude: 139 pA Number of spikes: 40



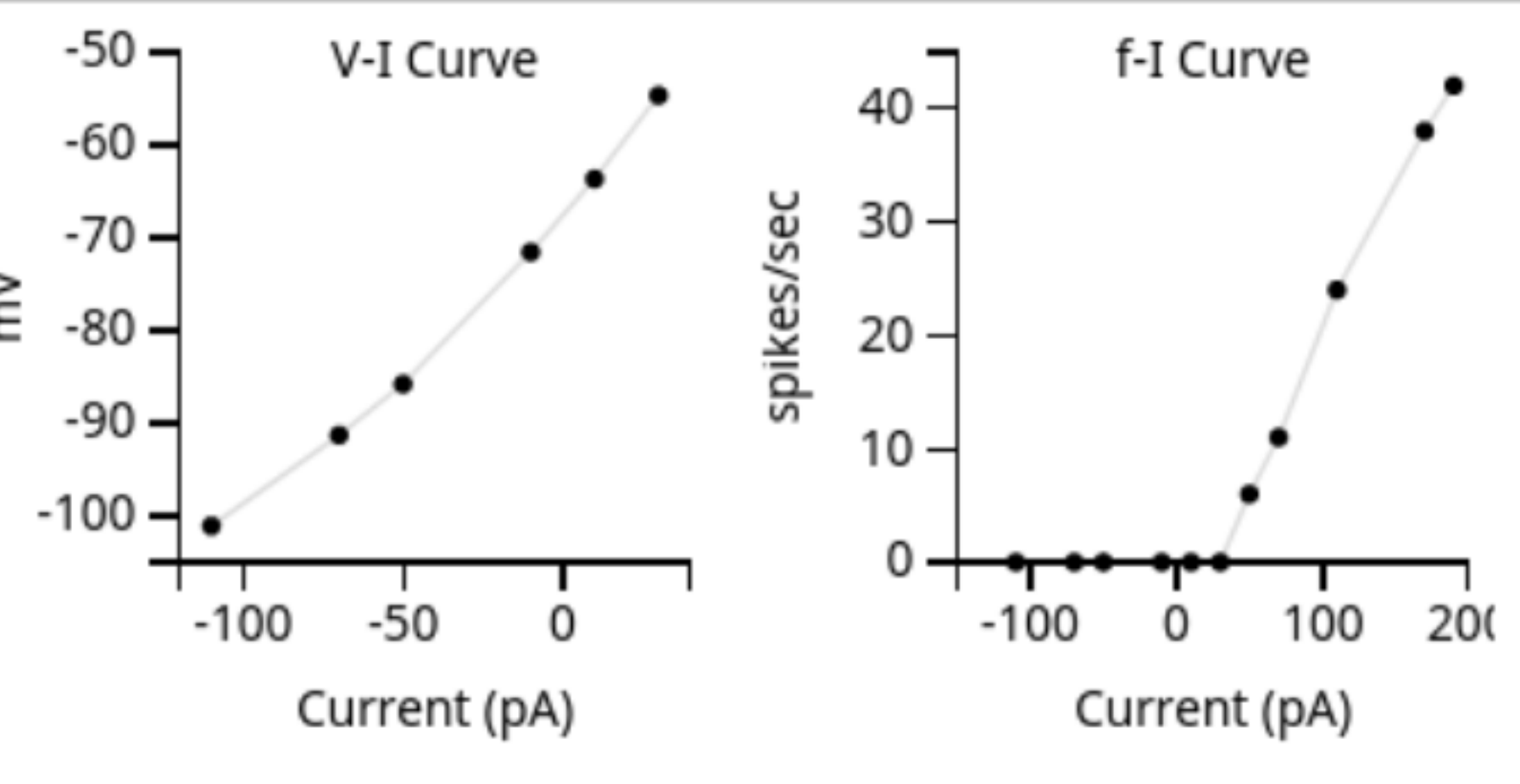


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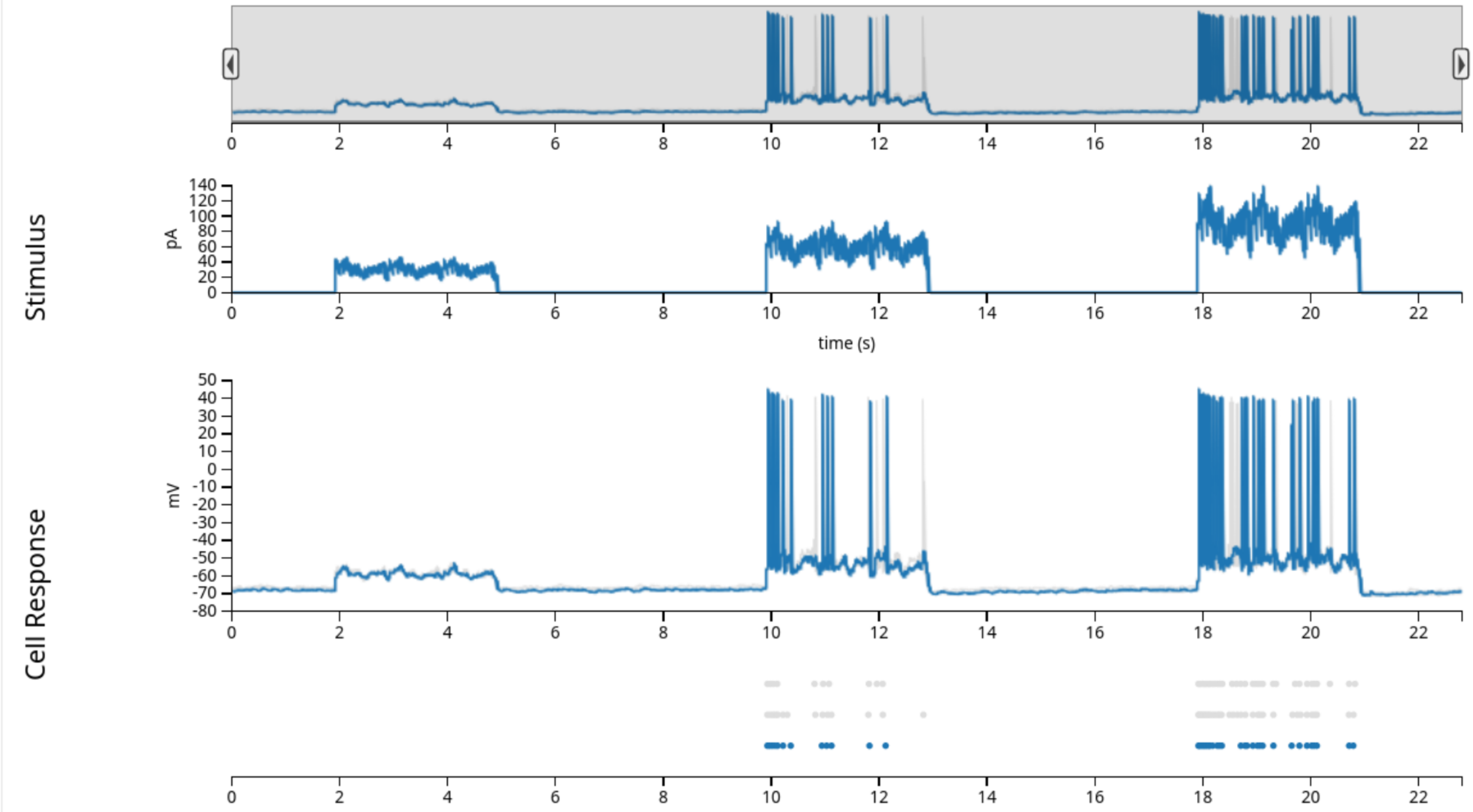
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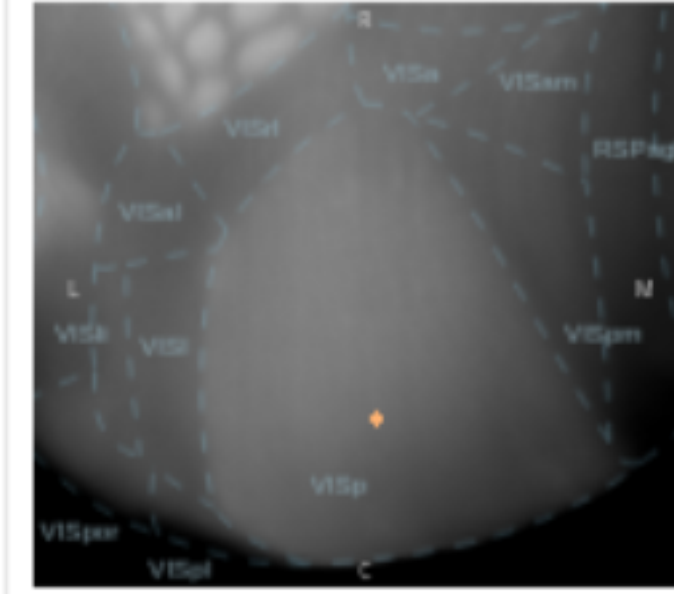
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Select neuronal model  -- Show model response --  
[Download data](#)

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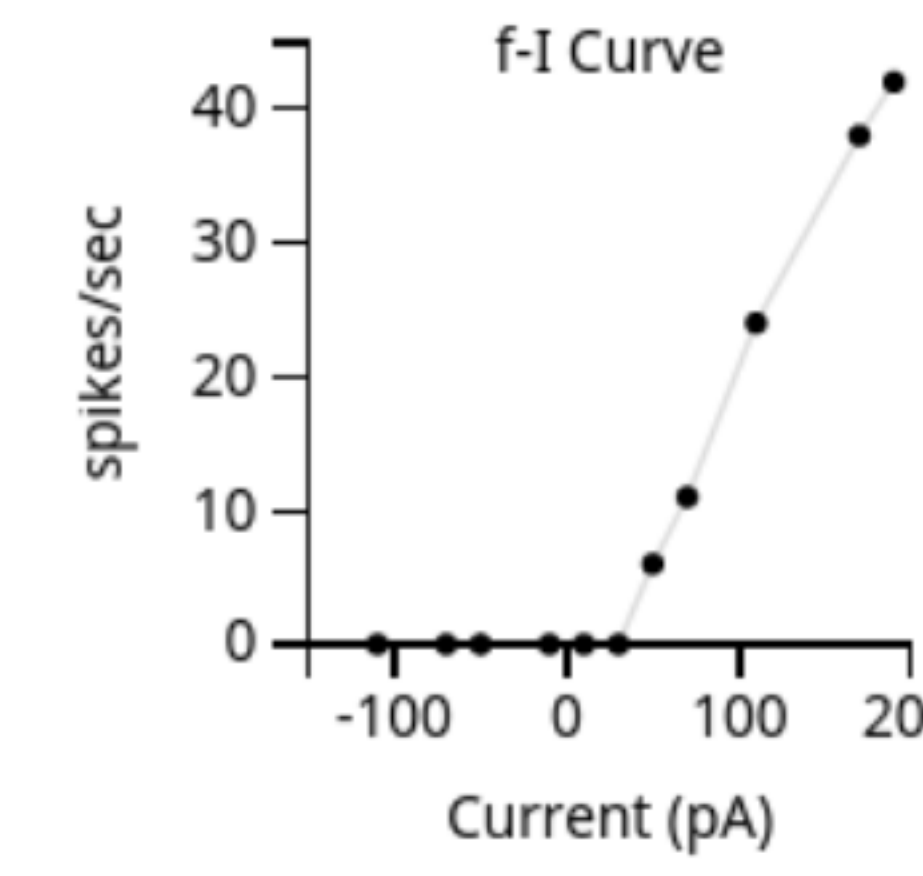
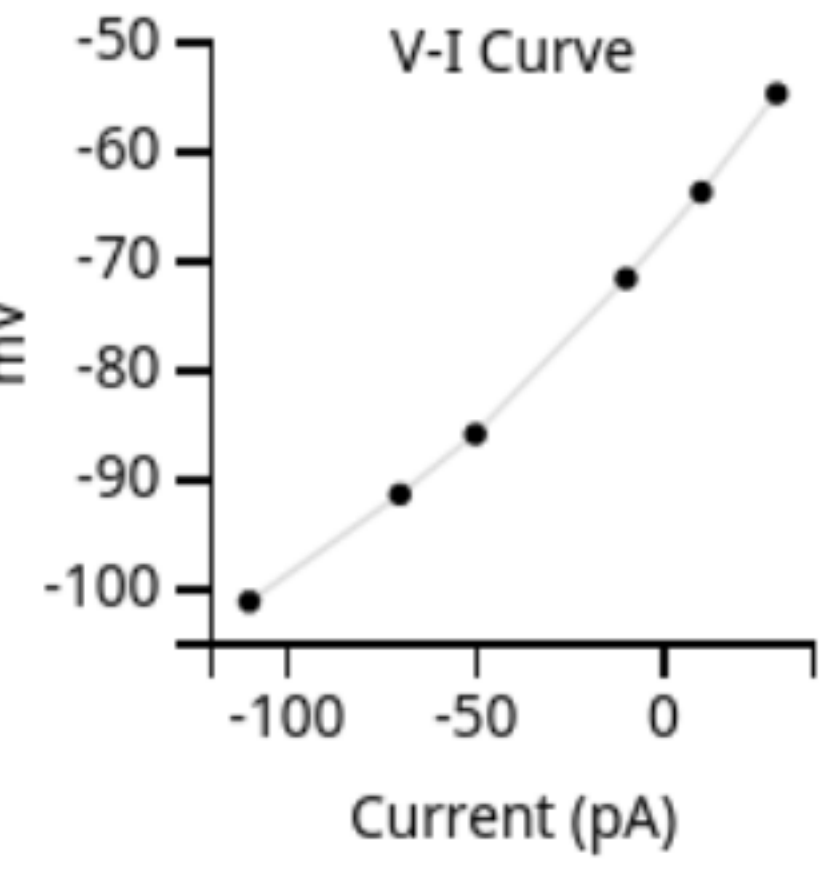


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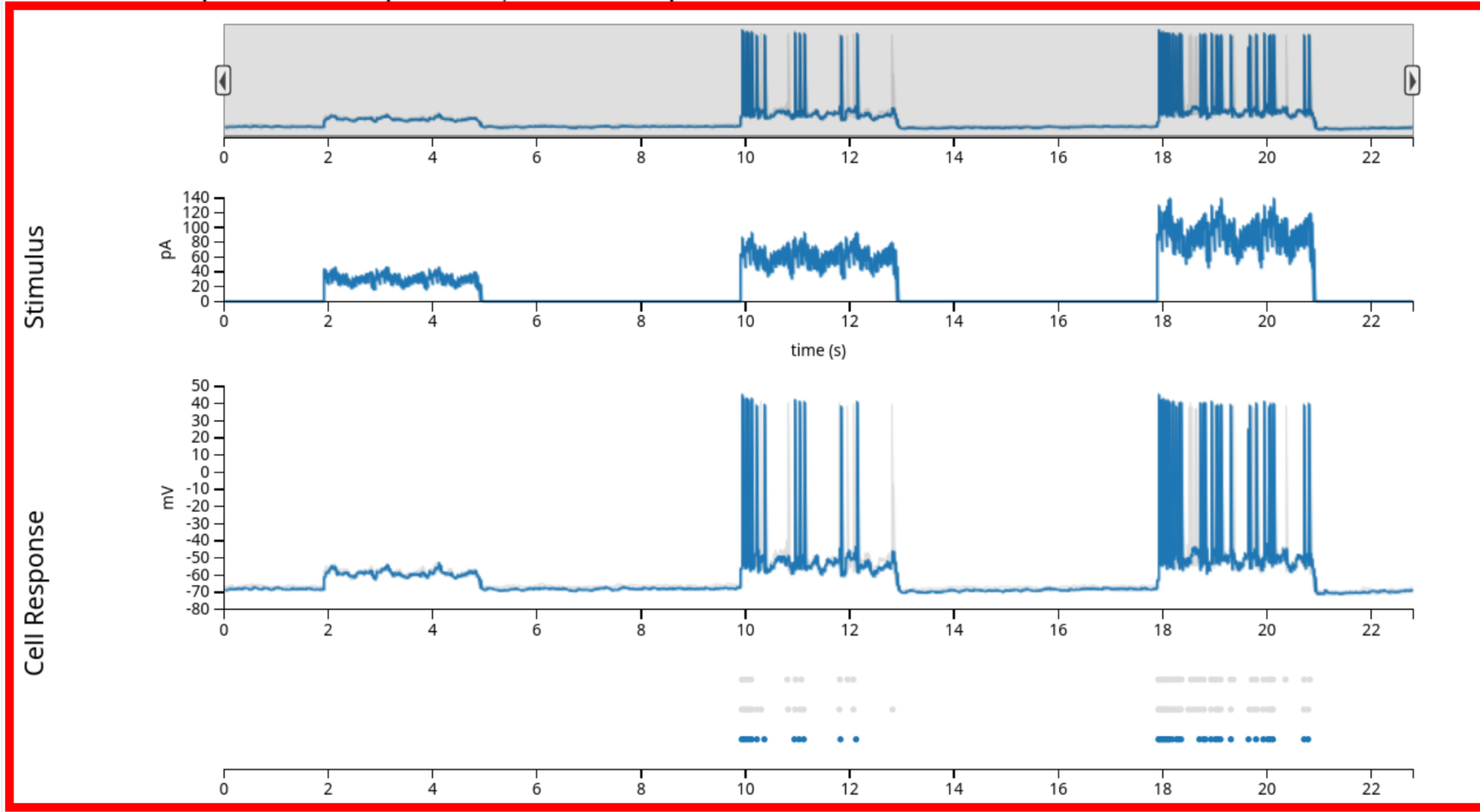
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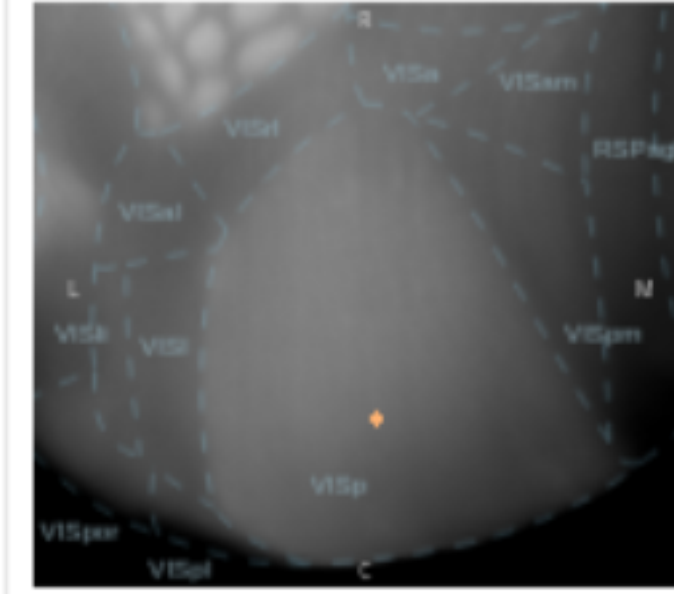
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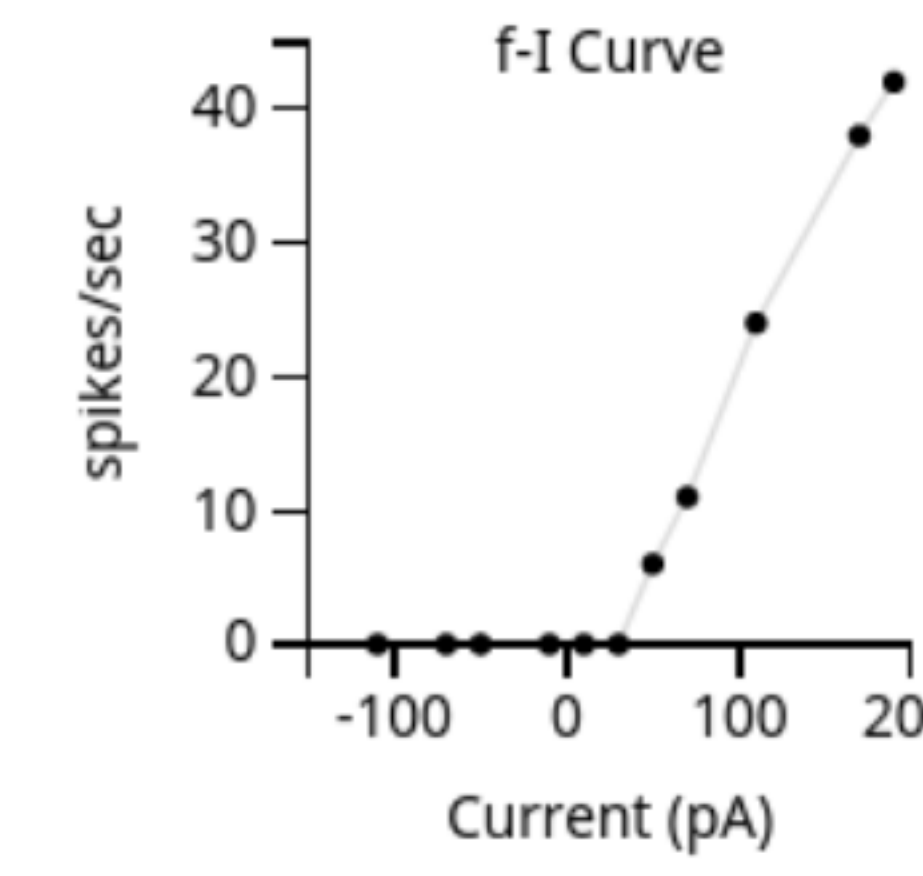
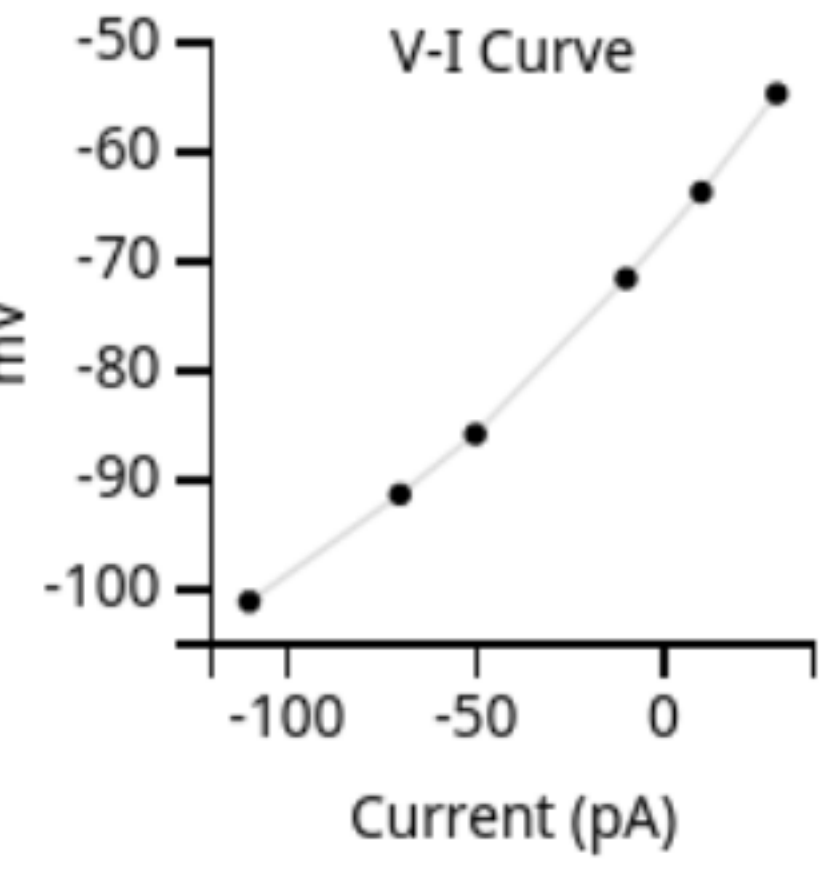


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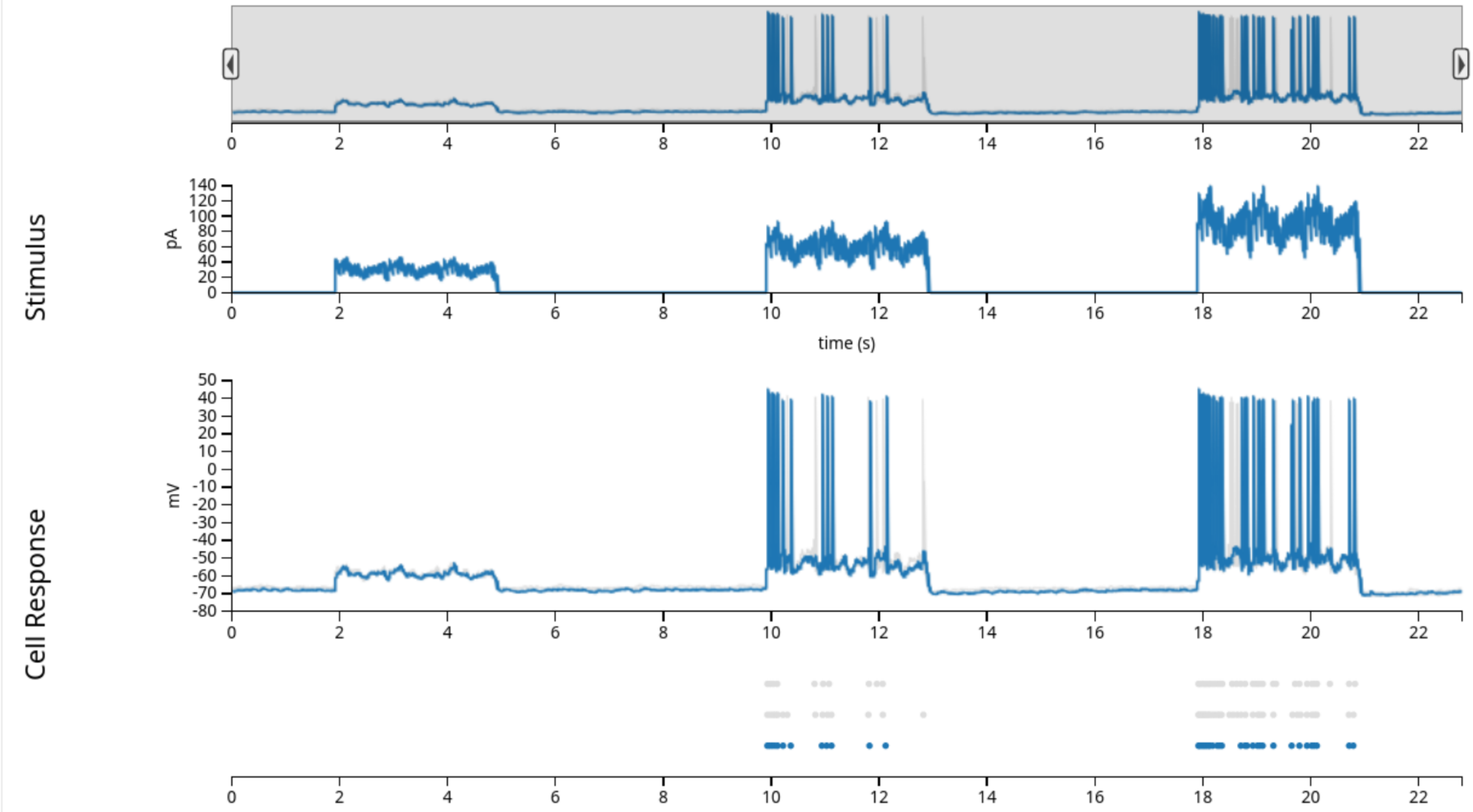
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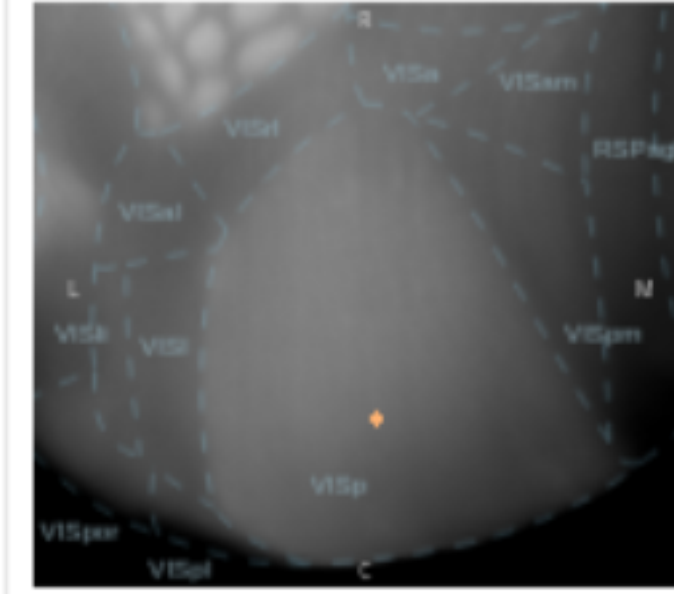
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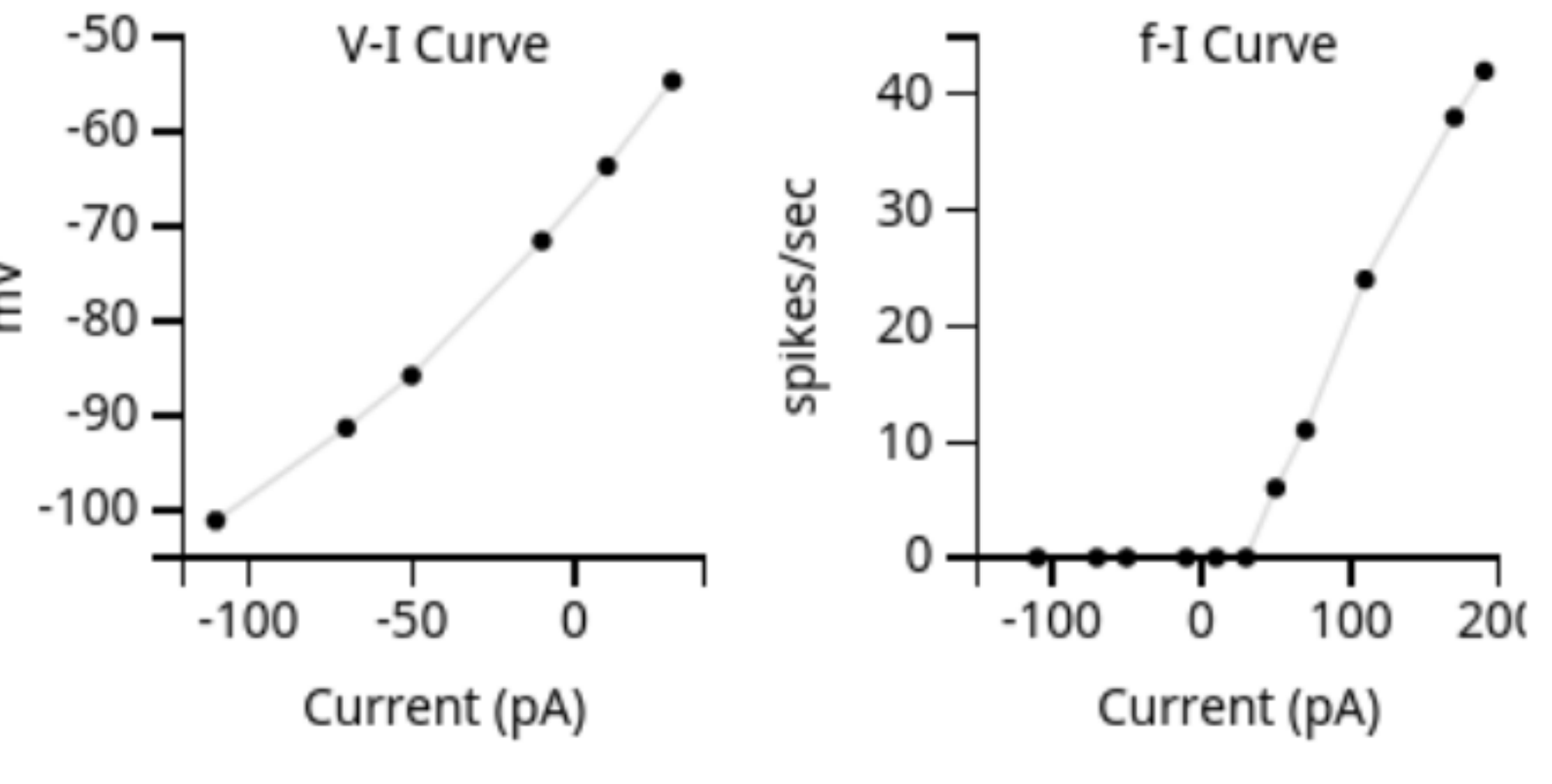


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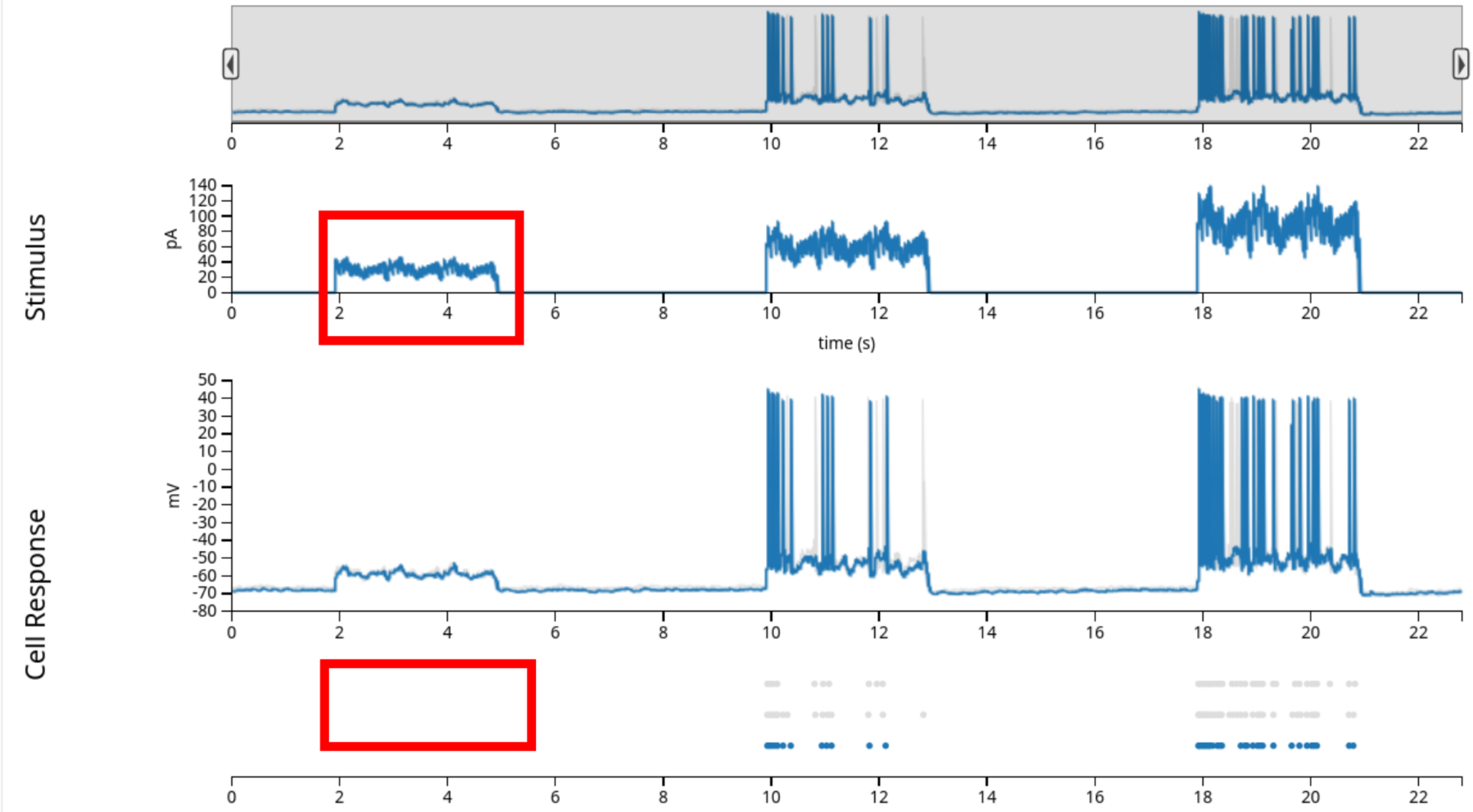
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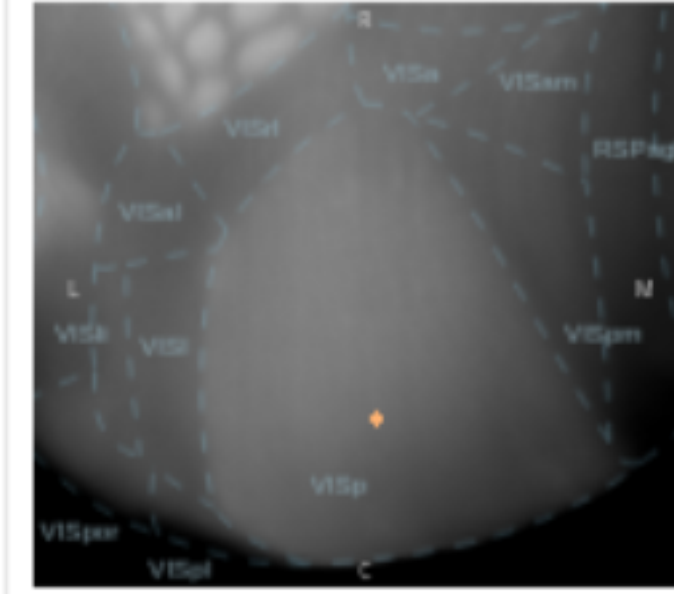
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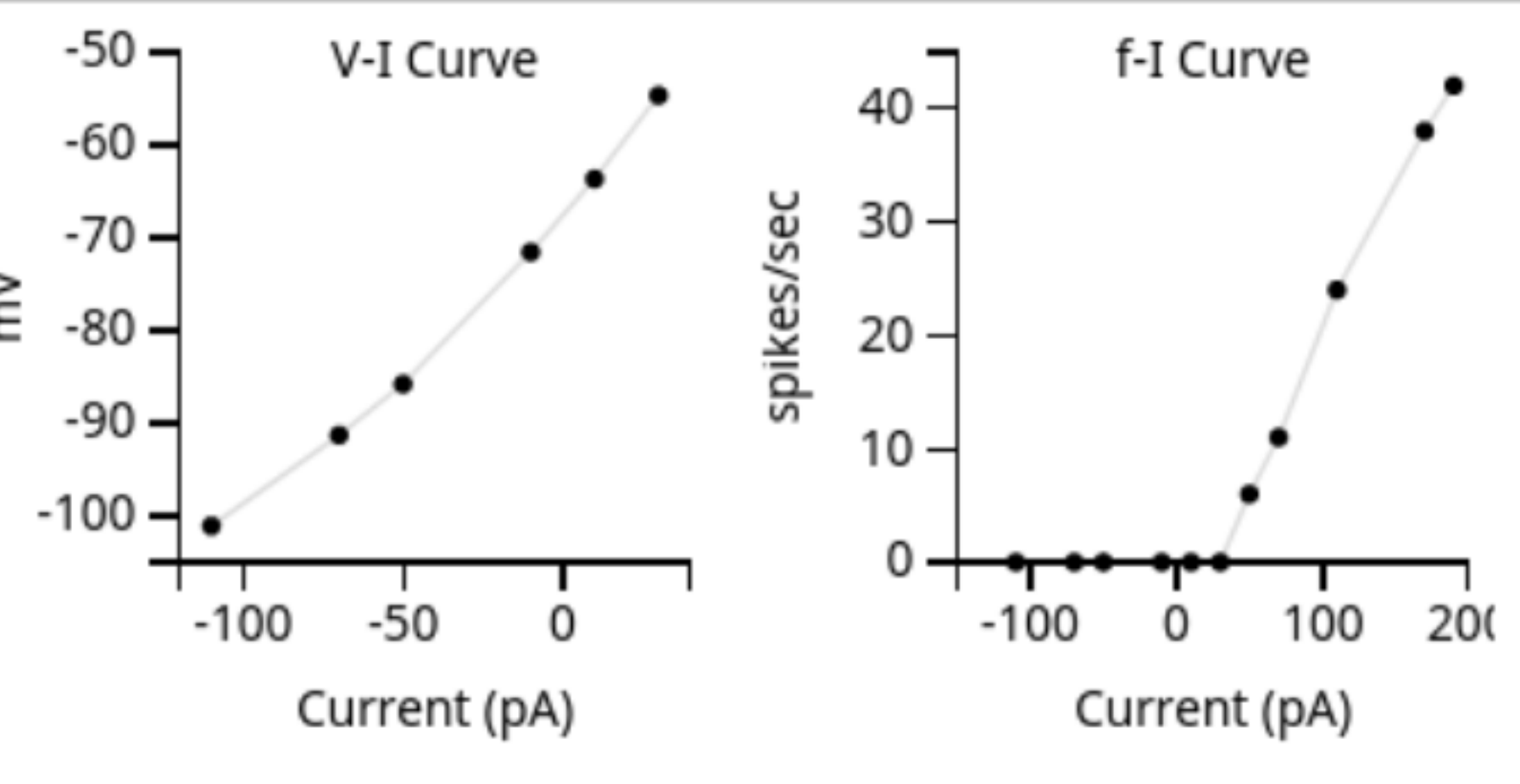


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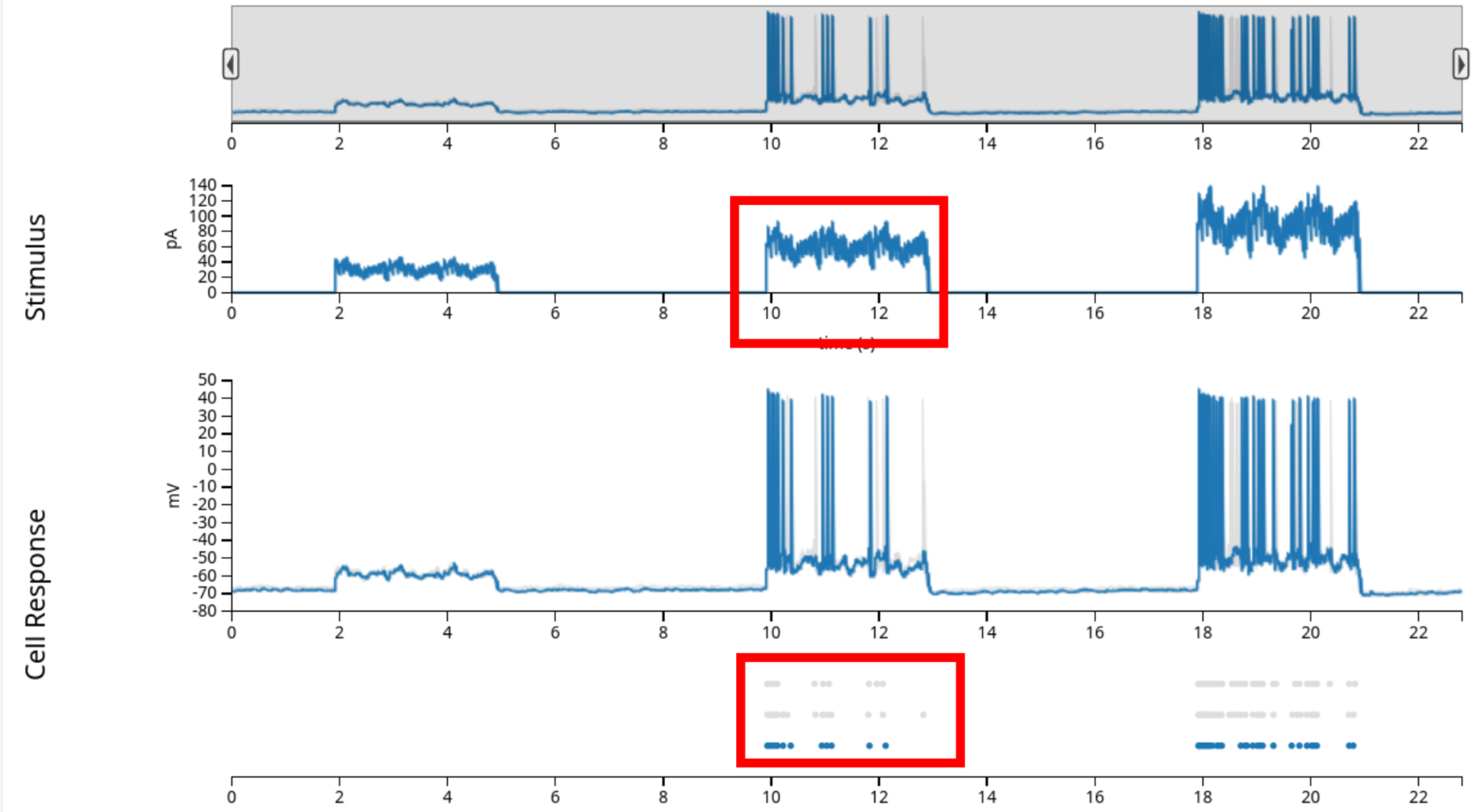
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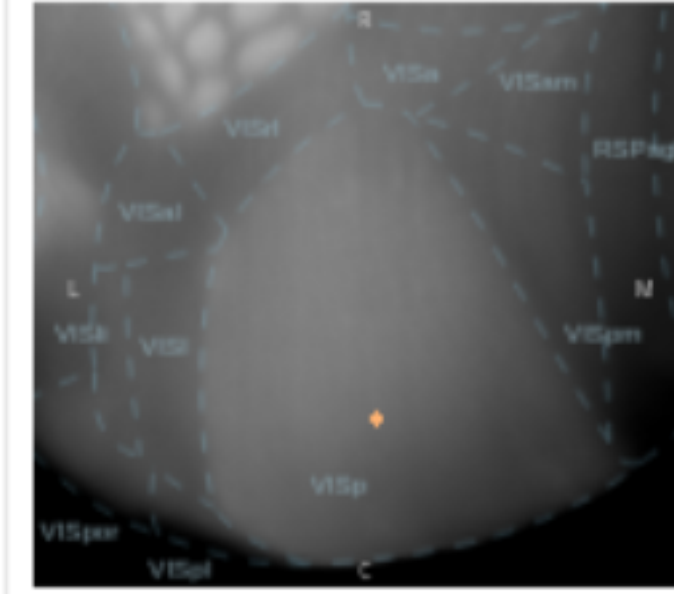
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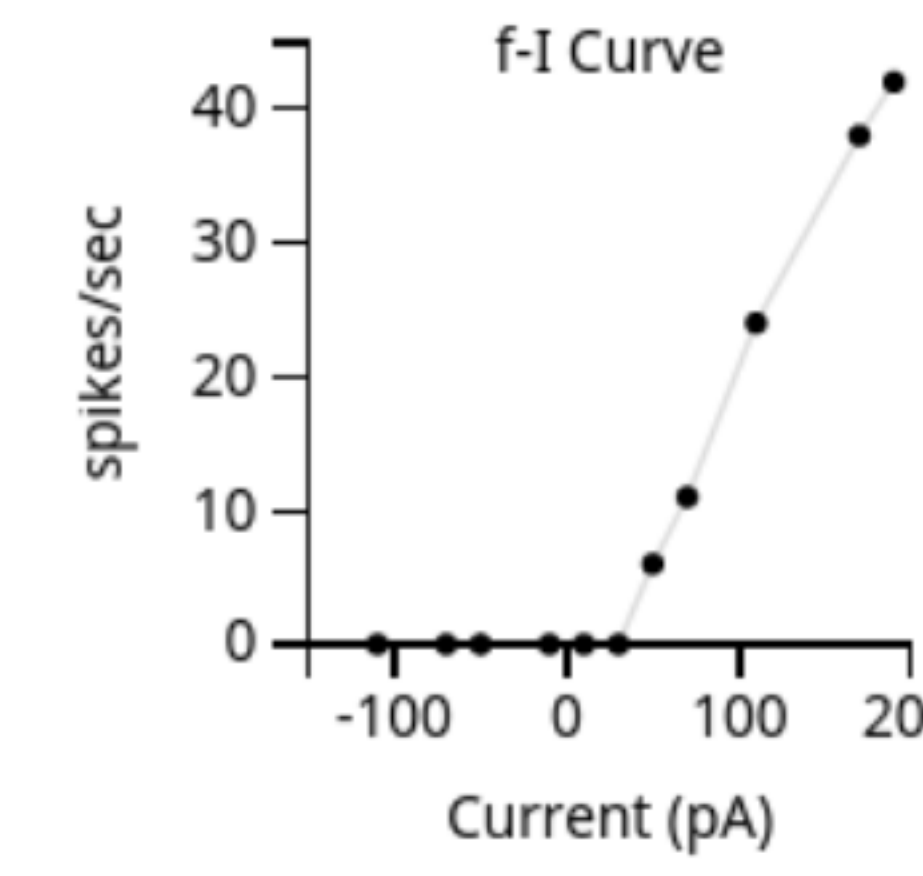
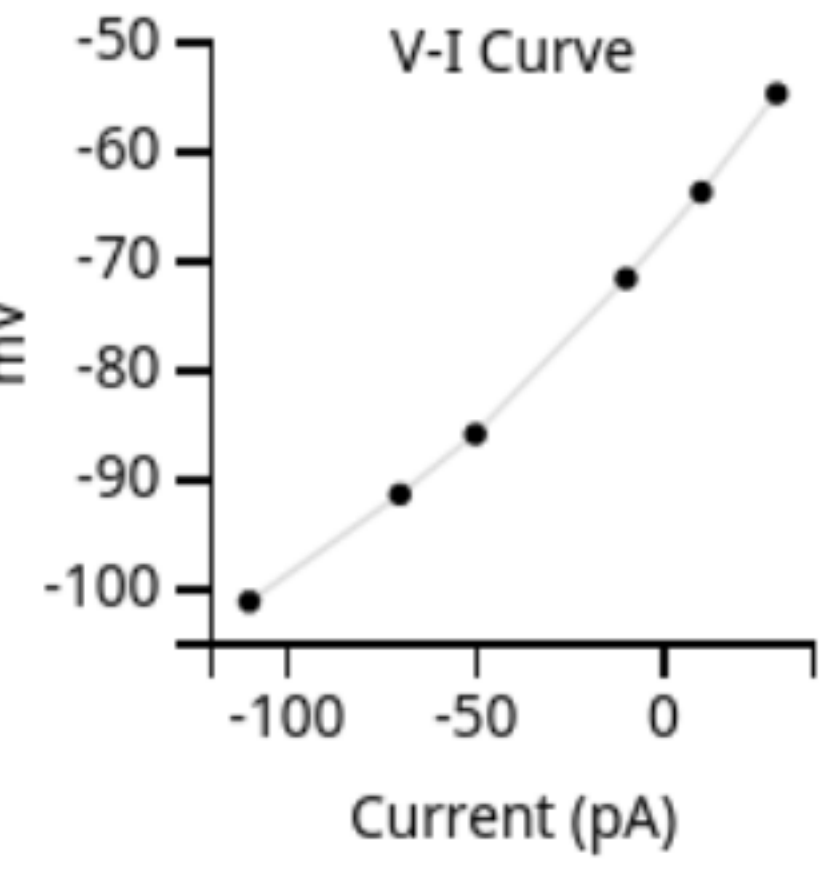


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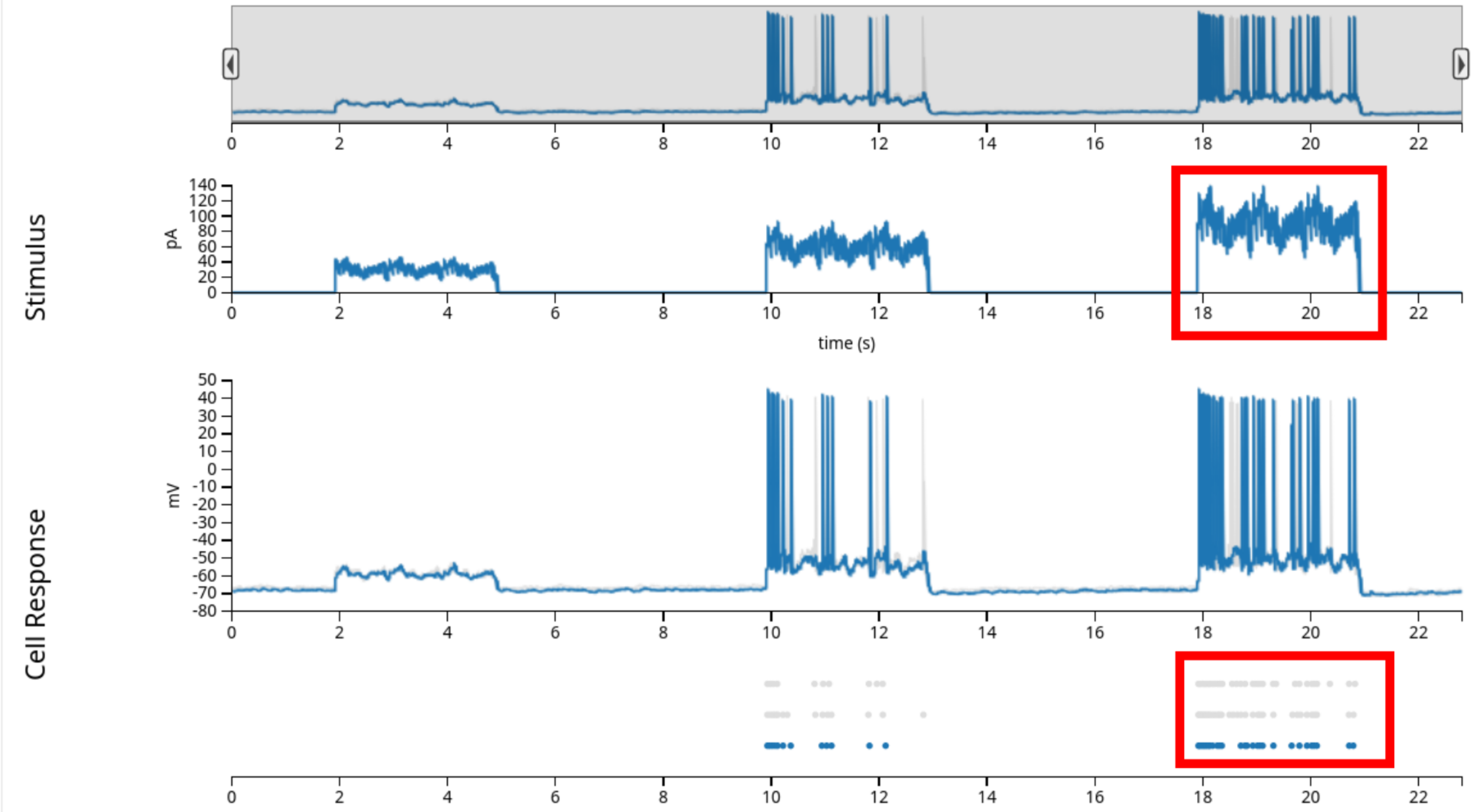
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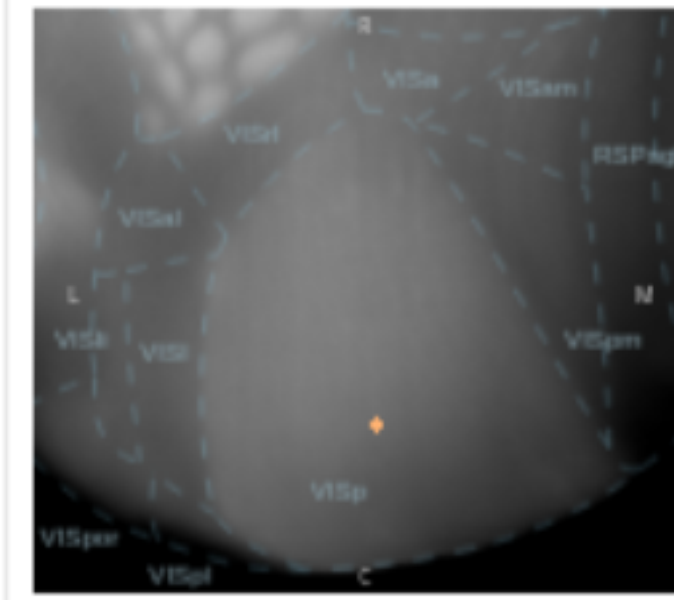
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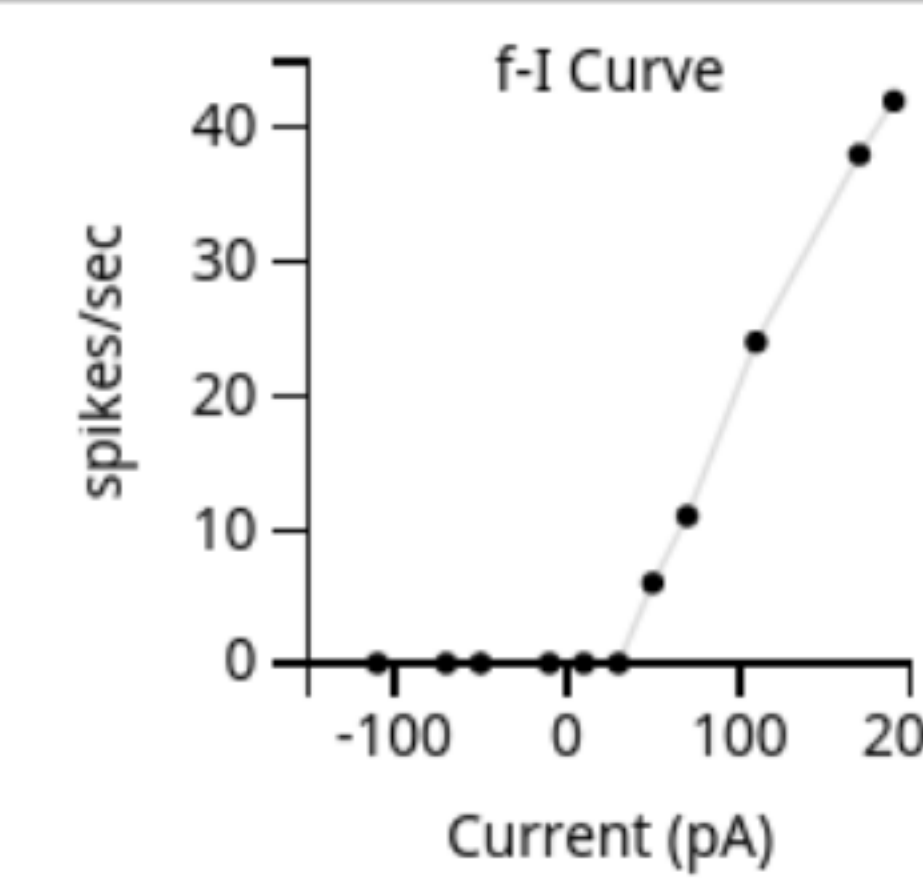
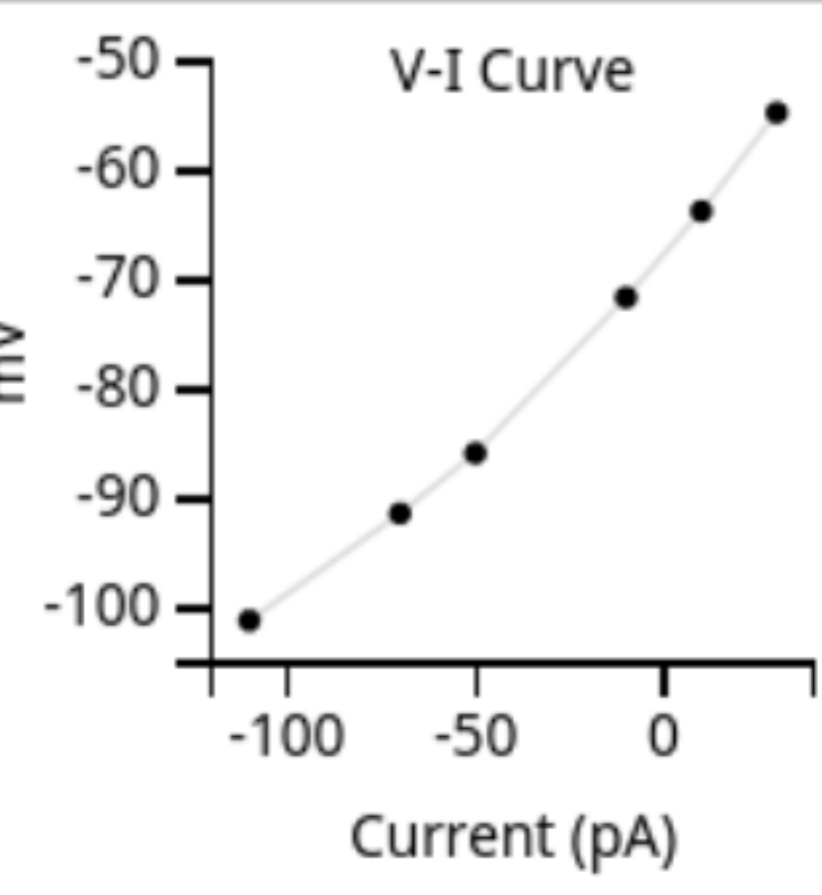


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