

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0					1	2	3
Week 32	4	5	6	7	8	9	10
Week 33	11	12	13	14	15	16	17
Week 34	18	19	20	21	22	23	24
Week 35	25	26	27	28	29	30	31
					<div> Draft Timeline v1 Draft comprehensive timeline for advisor re-view with printed and digital copies </div>		

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 36	1	2	3	4	5	6	7
	Maintain Rig L Maintain equipment maintenance	Align Seed Las Develop...	Submit Annu Submit annual	Complete Tea Complete Teac	Submit Outlin Submit detaile review and app	Confirm Doctoral Candi- dacy Verify and confirm doctoral candidacy status	
Week 37	8	9	10	11	12	13	14
	SPIE Student C Plan and execute SPIE Student	Meet with... Restore...	Define... Chapter activities			Update Committee Mem- bership Update committee mem- bership and file necessary change forms if required	
Week 38	15	16	17	18	19	20	21
	Write Research Strategy Write comprehensive Research Strategy section following BME format requirements						
Week 39	22	23	24	25	26	27	28
					Align Laser Through Microscop Align laser beam through micros system		Confirm Exam Date Confirm oral exam date and ensure committee receives proposal with suf- ficient notice
Week 40	29	30					

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0			1	2	3	4	5
			Image...				
			Verify...				
			+2 more				
Week 41	6	7	8	9	10	11	12
		Acquire...	Align Imaging System Align imaging system using USAF target for optimal resolution validation				
		Write Specific...					
Week 42	13	14	15	16	17	18	19
		Plan Pilot Mic	Confirm Live Imaging Requirements Validate laser and optics system meets live imaging performance requirements				
		Condense...					
Week 43	20	21	22	23	24	25	26
		Design & Order AAV Vectors Design and order AAV vectors for vascular and neuronal labeling					
Week 44	27	28	29	30	31		
		Finalize Proposal & Schedule Finalize draft and schedule defense with committee					

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0						1	2
Week 45	3	4	5	6	7	8	9
Week 46	10	11	12	13	14	15	16
		Write Method Write detailed	Send Proposal to Committee Distribute proposal to committee				
Week 47	17	18	19	20	21	22	23
Week 48	24	25	26	27	28	29	30
					Email Proposal to Committee Distribute final proposal to committee members with sufficient advance notice		

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 49	1	2	3	4	5	6	7
	Complete...						
	Create Proposal...						
Week 50	8	9	10	11	12	13	14
	Create Presentation Create comprehensive presentation and practice oral exam delivery						
Week 51	15	16	17	18	19	20	21
	Submit Final Proposal Document Submit Final Proposal Document			PhD Proposal oral examination Successfully defend examination before committee		Receive AAV Vectors Receive AAV vectors and prepare for in vivo injections	
Week 52	22	23	24	25	26	27	28
	Incorporate Revisions Address committee feedback and obtain final approval for proposal						
Week 1	29	30	31				

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0				1	2	3	4
				Maintain Rig...			
				Maintain...			
				+1 more			
Week 2	5	6	7	8	9	10	11
Week 3	12	13	14	15	16	17	18
Week 4	19	20	21	22	23	24	25
Week 5	26	27	28	29	30	31	

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0							<div>1</div> <div> Install Cranial Windows & Inject AAV Perform cranial window surgeries and AAV injections in pilot mice cohort </div>
Week 6	<div>2</div>	<div>3</div>	<div>4</div>	<div>5</div>	<div>6</div>	<div>7</div>	<div>8</div>
Week 7	<div>9</div>	<div>10</div>	<div>11</div>	<div>12</div>	<div>13</div>	<div>14</div>	<div>15</div>
Week 8	<div>16</div>	<div>17</div>	<div>18</div>	<div>19</div>	<div>20</div>	<div>21</div>	<div>22</div>
Week 9	<div>23</div>	<div>24</div>	<div>25</div>	<div>26</div>	<div>27</div> <div> Monitor & Medicate Mice Monitor post-operative recovery and maintain appropriate analgesia </div>	<div>28</div>	

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0							1
Week 10	2	3	4	5	6	7	8
Week 11	9	10	11	12	13	14	15
Week 12	16	17	18	19	20	21	22
Week 13	23	24	25	26	27	28	29
Week 14	30	31					

Acquire In Vivo Images
Acquire in vivo two-photon
images comparing AAV and
dye labeling methods

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0			1 Maintain Rig Log Q3 2026 Maintain equipment maintenance log for Q3 2026	2	3	4	5
Week 15	6	7	8	9	10	11	12
Week 16	13	14	15	16 Complete Pilot Datasets Complete comprehensive two-photon imaging datasets from pilot cohort	17	18	19 Configure... Design... +1 more
Week 17	20	21 Process Pilot Data Process pilot imaging data and optimize imaging protocols	22	23	24	25	26
Week 18	27	28	29	30			

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0					1 <div>Design U-Net Architecture Design U-Net architecture and prepare training datasets for vascular segmentation</div>	2	3
Week 19	4	5	6	7	8	9	10
Week 20	11	12	13	14	15	16	17
Week 21	18 <div>Configure LSCI Configure Laser Speckle Contrast Imaging for blood flow measurements</div>	19	20	21	22	23 <div>Compare Imaging Methods Compare imaging performance across different labeling methods in vivo</div>	24
Week 22	25	26	27	28 <div>Implement U-Net Pipeline Implement and validate U-Net segmentation pipeline on pilot data</div>	29	30	31

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 23	1	2	3	4	5	6	7
Week 24	8	9	10	11	12	13	14
Week 25	15	16	17	18	19	20	21
Week 26	22	23	24	25	26	27	28
Week 27	29	30					

Establish Stroke Model
Establish photothrombotic stroke model with IACUC approval

Induce Stroke
Induce photothrombotic stroke in study cohort

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0			1 Maintain Rig Log Q4 2026 Maintain equipment maintenance log for Q4 2026	2	3	4	5
Week 28	6	7	8 Acute Phase Imaging Acquire acute-phase imaging data (0-1 week post-stroke)	9	10	11	12
Week 29	13	14 Adapt ML Pipeline Adapt ML pipeline for stroke imaging data analysis	15	16	17	18 Dual-Color... Receive... +1 more	19
Week 30	20 Transition Phase Imaging Acquire transition-phase imaging data (2-4 weeks post-stroke)	21	22	23	24	25	26
Week 31	27	28	29	30	31		

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0						1	2
						<div>AR Vascular Platform</div> <div>Develop AR platform and draft methods paper</div>	
Week 32	3	4	5	6	7	8	9
Week 33	10	11	12	13	14	15	16
		<div>Develop SLAVV-T Codebase</div> <div>Develop improved codebase for temporal analysis</div>					
Week 34	17	18	19	20	21	22	23
		<div>Optimize ML</div> <div>Optimize and</div> <div>Early Chronic Phase Imaging</div> <div>Acquire early chronic-phase imaging data (5-8 weeks post-stroke)</div>					
Week 35	24	25	26	27	28	29	30
Week 36	31						

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0		1 Complete...	2	3	4	5	6
		Maintain Fall...					
Week 37	7	8	9	10	11	12	13
Week 38	14	15	16 Extended Chronic Imaging Acquire extended chronic-phase imaging data if required	17	18	19	20
Week 39	21 Complete Longitudinal Imaging Complete comprehensive longitudinal stroke imaging study	22	23	24	25	26 Integrate LSCI Data Integrate Laser Speckle Contrast Imaging flow data with two-photon data	27
Week 40	28	29	30				

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0				1	2	3	4
				Maintain Rig Log Q1 2027 Maintain equipment maintenance log for Q1 2027			
Week 41	5	6	7	8	9	10	11
Week 42	12	13	14	15	16	17	18
Week 43	19	20	21	22	23	24	25
Week 44	26	27	28	29	30	31	
	Analyze Stroke Data Analyze neurovascular coupling and microvascular changes post-stroke						

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0							1
Week 45	2	3	4	5	6	7	8
Week 46	9	10	11	12	13	14	15
Week 47	16	17	18	19	20	21	22
Week 48	23	24	25	26	27	28	29
Week 49	30						

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0		1	2	3	4	5	6
Week 50	7	8	9 <div><div>Data Acquisition Complete - Complete all planned imaging studies</div><div>Complete comprehensive data acquisition for all research aims</div></div>	10 <div>Prepare...</div> <div>Write Research...</div>	11	12	13
Week 51	14	15	16	17	18	19 <div>Submit Research...</div> <div>Write...</div>	20
Week 52	21	22 <div>Submit SLAV</div>	23 <div>Manuscript Submissions Complete - All planned manuscripts submitted</div>	24 <div>Improved temporal analysis method</div>	25	26	27
Week 53	28	29	30	31			

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0					1	2	3
					Submit...		
					Draft...		
					+2 more		
Week 1	4	5	6	7	8	9	10
Week 2	11	12	13	14	15	16	17
Week 3	18	19	20	21	22	23	24
Week 4	25	26	27	28	29	30	31

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 5	1	2	3	4	5	6	7
			Write Methods...				
			Write...				
Week 6	8	9	10	11	12	13	14
Week 7	15	16	17	18	19	20	21
		Draft Aim 1 Chapter Draft Aim 1 Chapter utilizing the completed manuscript					
Week 8	22	23	24	25	26	27	28

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 9	1	2	3	4	5	6	7
Week 10	8	9	10	11	12	13	14
Week 11	15	16	17	18	19	20	21
Week 12	22	23	24	25	26	27	28
Week 13	29	30	31				

Draft Aim 2/3 Chapter
Draft Aim 2/3 Chapter utilizing the completed manuscript

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0				1	2	3	4
				Maintain Rig Log Q3 2027 Maintain equipment maintenance log for Q3 2027			
Week 14	5	6	7	8	9	10	11
Week 15	12	13	14	15	16	17	18
					Draft Dissertation Conclusions Draft Dissertation Conclusions		
Week 16	19	20	21	22	23	24	25
Week 17	26	27	28	29	30		

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0						1	2
Week 18	3	4	5	6	7	8	9
Week 19	10	11	12	13	14	15	16
Week 20	17	18	19	20	21	22	23
Week 21	24	25	26	27	28	29	30
Week 22	31						

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0		<div>1</div> <div>Submit Final...</div> <div>Maintain Summer...</div>	<div>2</div>	<div>3</div>	<div>4</div>	<div>5</div>	<div>6</div>
Week 23	<div>7</div>	<div>8</div>	<div>9</div>	<div>10</div>	<div>11</div>	<div>12</div>	<div>13</div>
Week 24	<div>14</div>	<div>15</div>	<div>16</div>	<div>17</div>	<div>18</div>	<div>19</div> <div>Complete Dissertation Draft</div> <div>false</div>	<div>20</div>
Week 25	<div>21</div>	<div>22</div>	<div>23</div>	<div>24</div>	<div>25</div>	<div>26</div>	<div>27</div>
Week 26	<div>28</div>	<div>29</div>	<div>30</div> <div>Dissertation Complete - Complete dissertation draft for committee review</div> <div>Complete comprehensive dissertation draft</div>				

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0				1	2	3	4
				<div>Maintain Rig Log Q4 2027</div> <div>Maintain equipment maintenance log for Q4 2027</div>			
Week 27	5	6	7	8	9	10	11
Week 28	12	13	14	15	16	17	18
					<div>Final Submission: PhD Defense ...</div> <div>Submit final dissertation</div>		
						<div>Defend...</div>	
Week 29	19	20	21	22	23	24	25
			<div>Incorporate Committee Feedback</div> <div>Address committee feedback and obtain final approval</div>				
Week 30	26	27	28	29	30	31	

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0							1
Week 31	2	3	4	5	6	7	8
Week 32	9	10	11	12	13	14	15
Week 33	16	17	18	19	20	21	22
Week 34	23	24	25	26	27	28	29
Week 35	30	31					

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0			1	2	3	4	5
Week 36	6	7	8	9	10	11	12
Week 37	13	14	15	16	17	18	19
Week 38	20	21	22	23	24	25	26
Week 39	27	28	29	30			

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0					1	2	3
Week 40	4	5	6	7	8	9	10
Week 41	11	12	13	14	15	16	17
Week 42	18	19	20	21	22	23	24
Week 43	25	26	27	28	29	30	31

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 44	1	2	3	4	5	6	7
Week 45	8	9	10	11	12	13	14
Week 46	15	16	17	18	19	20	21
Week 47	22	23	24	25	26	27	28
Week 48	29	30					

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 0			1	2	3	4	5
Week 49	6	7	8	9	10	11	12
Week 50	13	14	15	16	17	18	19
Week 51	20	21	22	23	24	25	26
Week 52	27	28	29	30	31		