	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 31					1	2	3
	4	5	6	7	8	9	10
Week 32							
	11	12	13	14	15	16	17
Week 33							
	18	19	20	21	22	23	24
Week 34							
	25	26	27	28	29	30	31
Week 35						Achieve 30 in fiber cor configur	eed laser mW output e (pre-pump ation) for r operation.

	Monday	Tues	day	W	ednesday	1	Thursday		Friday	5	Saturday		Sunday
	1	2	-	3		4		5		6		7	
Week 36				mmit	efine propos ttee member exam date.				Align ar amplified out benchmark p		Confirm of MILESTO exam date Must send posal to coweeks prior	NE sche fina mm	: Oral eduled. al pro- ittee 2
	8	9		10		11		12		13		14	
Week 37		Com	plete ar	nd su			mmittee for d committee		ms for propo	sal d	lefense.		Prepare Program of Work Develop detailed Program
Week 38	15	16		17		18		19		20		21 E	Reserve exam room Book and confirm exam room
Week 39	22	23		24		25				ompl		ork	to grad-
Week 40	29	30											

	1 - 1						<u> </u>
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 40			Verify 200 f	k pulse compress pulse duration	and record	Align imag using USA optimal reso	microscope ing system F target for lution before periments.
	6	7	8	9	10	11	12
Week 41		MILES ⁻ imaging	aser system read ONE: Laser out optics meet all for live animal in	put and require-	Plan ~ IACU	an imaging coh 3 pilot mice coh C protocol conf d surgery slot b	ort with rma-
_	13	14	15	16	17	18	19
Week 42			vectors. Fina	order AAV-mS alize constructs	esign AAV vector carlet (vascular) and submit prod	and jRGECO1b uction orders to	core facility.
	20	21	22	23	24	25	26
Week 43	Write full pr	oposal documer	Com t (~13 pages) in	plete proposal cluding all aims		ategy for comm	ittee review.
	27	28	29	30	31		
Week 44							

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

	1 1						
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 49	1	2	3	4	5	6	7
	8	9	10	11	12	13	14
Week 50							
	15	16	17	18	19	20	21
Week 51		MILESTOI mittee 2 (satisfies	proposal to com NE: Email propos weeks before ex pre-exam requi	sal to com- am date rement).		MILESTO vectors red core facility. vivo animal begin expres	tors ready NE: AAV eived from Ready for in injections to sion studies.
	22	23	24	25	26	27	28
Week 52							
	29	30	31				
Week 1							

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 1				1	2	3	4
	5	6	7	8	9	10	11
Week 2							
	12	13	14	15	16	17	18
Week 3							
	19	20	21	22	23	24	25
Week 4	Create sli	ide deck and pra	Pr ctice oral exam	epare presentationeresentation. Air	n for two praction	e runs with lab	members.
Š							
	26	27	28	29	30	31	
Week 5							

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 5							Cranial window surgery #1 Install cranial
	2	3	4	5	6	7	8 window
Week 6		PI Qualify sertatio with	N	Polonitor and medimaging during	Incorpo into pro	s committee fer ate committee r posal and submi form for final a	evisions t signed
							timeline
	9	10	11	12	13	14	15 for
Week 7							Cranial window surgery #2 Install cranial
	16	17	18	19	20	21	22 Williaow
Week 8				Monitor and me	st-op recovery ; edicate Mouse # gesia schedule di	2 after surgery.	
<i>></i>	02		05	06	07	00	(staggered one week after #1).
	23	24	25	26	27	28	
Week 9		Install ject A	al window surge cranial window a AV in third pilot er staggered tin	and in- mouse	Monito #3 afte	st-op recovery ; or and medicate r surgery. Comp period before in	Mouse lete re-

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	ivioliday	racsaay	vvcanesaay	Thursday	Tilday	Suturday	1
Week 9							Pilot imaging session #1 Acquire in vivo
	2	3	4	5	6	7	8 Mouse #1
Week 10			Acqu Mouse	imaging session ire in vivo image #2 under dual- liditions for comp	s for abel vs		comparing AAV flu- orescence vs tradi- tional dye iniection
	9	10	11	12	13	14	15 methods.
Week 11	<u> </u>		<u></u> ,	<u></u> -	Pilot Acqu Mouse	imaging session ire in vivo image #3. Complete f set for Aim 1 va	1 #3 es for inal pi-
	16	17	18	19	20	21	22
Week 12	Pilo MILESTON imaging o	t datasets comp VE: Three pilot thatasets acquired ion and proposa	plete wo-photon I for Aim	Perform i	Process proces		ysis. Cal-
	22	24	25	26	27	28	20
Week 13	23	24	20	20	27	20	29
	30	31					
Week 14							

Mond	ay Tuesday	1 1	Thursday	Friday	Saturday	Sunday
41		1	2	3	4	5
41				Draft		
1 1 1						
Week 14				Develop		
				Optimize		
	7	±1 more		10	11	10
6	7	8 more	9	10	11	12
2						
Week 15						
lee						
>						
13	14	15	16	17	18	19
10						
 						
Week 16						
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20	21	22	23	24	25	26
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Week 17						
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27	28	29	30			
21	20	29	30			
ω						
Week 18						
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>						

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	-			-	1	2	3
Week 18						ing me Systematica imaging de and contr different labe	re label- ethods Illy compare epth; SNR; ast across lling methods yehin vivo.
	4	5	6	7	8	9 (AAV VS u	16 11 1100.
Week 19							
	11	12	13	14	15	16	17
Week 20							
	18	19	20	21	22	23	24
Week 21							
	25	26	27	28	29	30	31
Week 22							-

							<u> </u>
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	1	2	3	4	5	6	7
Week 23		C	omplete training (photothrombos		roval for stroke		d
	8	9	10	11	12	13	14
Week 24		form stroke indu cohort to initiat					
	15	16	17	18	19	20	21
Week 25	Submit A	it methodology Aim 1 imaging mer to journal for publication cons	ethodol- peer re-	Condu imaging (0-1 we	ute-phase imagi ct two-photon + sessions in acut ek post-stroke) rediate vascular	- LSCI e phase to cap-	Refine ML pipeline Adapt and improve machine
							learning
	22	23	24	25	26	27	28 tation
Week 26							for stroke dataset analysis and vascu- lar feature
	29	30					detection.
Week 27							

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
			1	2	3	4	5
7				Enhanced			
Week 27				Transition-phas			
Wee				,			
	6	7	8	9	10	11	12
k 28							
Week 28							
_							
	13	14	15	16	17	18	19
		17		10	17	10	19
29							
Week 29							
>							
		01		00.1		05	06
	20	21	22	23	24	25	26
30							
Week 30							
>							
	27	28	29	30	31		
12				Stabil Conduct	ization-phase in imaging session	naging s in early	
Week 31				chronic phas	e (5-8 weeks po	st-stroke) to	
We				observe vas	cular remodeling	processes.	
		1	l		l	1	

July | September

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 31						1	2
	3	4	5	6	7	8	9
Week 32							
	10	11	12	13	14	15	16
Week 33							
Week 34	17	18	19	20	21	22	23
	24	25	26	27	28	29	30
Week 35		Conduct ir stroke (if ne	nded chronic im maging at ~12 w eeded) to captur deling and reco	eeks post- e long-term			
Week 36	MILEST planned	roke data compl ONE: Completi longitudinal ima or stroke study (/	on of all ging ses-				

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		1	2	3	4	5	6
Week 36			Complete y	Combine LS	Integrate	flow data etrics with two-p prehensive vasc	hoton struc-
	7	8	9	10	11	12	13
Week 37				10			10
	14	15	16	17	18	19	20
Week 38							
	21	22	23	24	25	26	27
Week 39							
	28	29	30				
Week 40							

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
\vdash	Ivioliday	Tuesday	vveunesuay	1 Indisday	2	3	4
Week 40				Quantify mic	Analyze neurovo rovascular netwoodynamics from p	ascular coupling rk changes and	neurovascular
	5	6	7	8	9	10	11
Week 41							
	12	13	14	15	16	17	18
Week 42							
	19	20	21	22	23	24	25
Week 43							
	26	27	28	29	30	31	
Week 44							

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	ivioliday	Tuesuay	vveunesuay	Titursuay	Tituay	Jacurday	1
Week 44							
	2	3	4	5	6	7	8
Week 45							
	9	10	11	12	13	14	15
		10			15	1.	15
Week 46							
	16	17	18	19	20	21	22
	10,		10	Draft second			
17				Druit secondiii			
노 사				Prepare			
Week 47							
	23	24	25	26	27	28	29
Week 48							
	30						
Week 49							

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 49			2 Complete	PhD Dissertate dissertation wr	ite-up; final defe	nse; and	6
>	7	8	9	10	11	12	13
Week 50							
	14	15	16	17	18	19	20
17				Draft Into	oduction		
Week 51				Submit	second		
We							
	21	22	23	24	25	26	27
Week 52							
	28	29	30	31			
Week 53							

\vdash	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 53		,		,	Dr Write o	aft Aim 1 chapt thapter detailing laging) methods d results for dis	3 ter Aim 1 ; experi-
Week 1	4	5	6	7	8	9	10
Week 2	11	12	13	14	Write chap color ir	aft Aim 2 chapt ter detailing Ain naging platform) results for disse	m 2 (dual-) meth-
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
	1	2	3	4	5	6	7
Week 5	Write chapte	er detailing Aim	Dr 3 (stroke model	aft Aim 3 chapt imaging study)	er methods; data; a	and findings for	dissertation.
We							
Week 6	8	9	10	11	12	13	14
>	15	16	17	18	19	20	21
Week 7							
	22	23	24	25	26	27	28
Week 8							

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	1	2	3	4	5	6	7
Week 9	Write fin	al dissertation c	C hapter summariz	Praft Conclusion ing findings; imp	s olications; and fu	iture research di	rections.
M							
	8	9	10	11	12	13	14
Week 10							
	15	16	17	18	19	20	21
Week 11							
	22	23	24	25	26	27	28
Week 12							
	29	30	31				
Week 13							

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

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
						1	2
Week 17							
Week 18	3	4	5	6	7	8	9
	10	11	12	13	14	15	16
Week 19							
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
\vdash	Wionday	1	2	3	4	5	6
Week 22		Disse MILES disserta	rtation draft con TONE: Complet tion draft complet for committee r	nplete te PhD led and			
	7	8	9	10	11	12	13
Week 23							
Week 24	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
Week 25							
Week 26	28	29	30				

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 26				1	2	3	4
	5	6	7	8	9	10	11
Week 27							
	12	13	14	15	16	17	18
Week 28				with comn	PhD Defense D dissertation in hittee (must occ hal submission d	ur 2 weeks	Revise disser- tation Incorporate committee feedback
	19	20	21	22	23	24	and
Week 29							revisions after defense. Obtain final approval signatures.
	26	27	28	29	30	31	
Week 30							

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Week 30							1
	2	3	4	5	6	7	8
Week 31		Upload a and su	Ibmit dissertation oproved disserta bmit all required uate School by c	tion PDF forms			
		10		10	10	1.1	15
	9	10	11	12	13	14	15
Week 32							
	16	17	18	19	20	21	22
Week 33							
	23	24	25	26	27	28	29
Week 34							
	30	31					
Week 35							