

# UND-School of Medicine and Health Sciences

## Imaging Core Available Objectives

Microscope	Magnification	Objective	NA	WD (mm)	Coverslip
Leica Thunder Imager (inverted)	5x	N Plan, PH0	0.12	14	0.17
	10x	HC PL FLUOTAR, PH1	0.32	11.13	0.17
	20x	HC PL FLUOTAR L, PH1	0.4	6.9	0-2
	40x	HC PL APO	0.95	0.17	0.11-0.23
	L 40x	HC PL FLUO TAR, PH 2	0.6	3.3	0-2/FN25/C
	63x Oil	HC PL APO	1.4	0.14	0.17
Leica Stellaris 5 Confocal (inverted)	10x	Plan-neofluar	0.3	5.2	0.17
	20x	Plan-APOCHROMAT	0.8	0.55	0.17
	40x Oil	Plan-neofluar; PH1	1.3	0.2	0.17
	63x Oil	Plan-APOCHROMAT; DIC	1.4	0.19	0.17
	100x Oil	Plan-Fluar	1.45	0.11	0.17
Olympus Fluoview 1000 (upright)	60x	LCPlanFI	0.7	1.5-2.2	0.17
	20x Oil	UPlanApo	0.8	0.17	0.17
	60x Oil	PlanApo	1.42	0.15	0.17/FN26.5
	100x Oil	UPlanApo	1.35	0.1	0.17
	10x Water	XLPlanN	0.6	8	0-0.23/OFN18
	25x Water	XLPlan N	1.04	2	0-0.23/FN18
<i>Must ask IC staff to exchange lenses as needed.</i>					
Olympus IX83 TIRF (inverted)	10x	UPlanSAPO	0.4	3.1	0.17/FN26.5
	20x	UPLSAPO	0.75	0.6	0.17/FN26.5
	40x Oil	UAPON 340	1.35	0.1	0.17/FN22
	60x Oil	Apon TIRF	1.49	0.1	0.13-0.19/FN22
Nikon Eclipse 80i (upright)	2x	Plan Apo	0.1	8.5	∞/-
	4x	Plan Apo	0.2	15.7	0.17
	10x	PlanFluor; Ph1	0.3	16	0.17
	10x	Plan Apo	0.45	4	0.17
	20x	Plan Apo; DIC	0.75	1	0.17
	40x	Plan Apo; DIC	0.95	0.14	0.11-0.23
	60x Oil	Plan Apo; Ph3	1.4	0.21	0.17
	100x Oil	Plan Fluor; Ph3	1.3	0.2	0.17
	100x Oil	Plan Apo; DIC	1.4	0.13	0.17
<i>Must ask IC staff to exchange lenses as needed.</i>					