

# Research Areas of Interest

We welcome IIT proposals in the following areas of interest.

	<i>Scientific and medical gaps that need to be addressed</i>	<i>Still accepting applications?</i>
<b>Trifocal IOLS</b>	Do trifocal IOLs provide spectacle independence?	No
	What are the patient reported satisfaction and lifestyle benefits with trifocal IOLs	No
	Do trifocal IOLs provide a better range of vision vs other MF IOLs	Yes
	What preoperative /surgical factors influence trifocal IOL success?	Yes
	Do trifocal IOLs provide a better range of vision and better binocular stereoacuity vs. monovision with monofocal IOLs	Yes
	Do trifocal IOLs make it easier/provide time savings with respect to pre-op patient education/IOL selection and post-op patient satisfaction management?	Yes
	Which trifocal IOLs provide the best near and intermediate reading capability in mesopic lighting condition?	Yes
	Which toric trifocal IOLs provide best rotational stability?	Yes

	<i>Scientific and medical gaps that need to be addressed</i>	<i>Still accepting applications?</i>
<b>Monofocal Toric</b>		
	Does AcrySof IQ toric IOL provide comparable or better rotational stability vs EnVista toric IOL?	Yes

	<i>Scientific and medical gaps that need to be addressed</i>	<i>Still accepting applications?</i>
<b>Femtosecond Laser-Assisted Cataract Surgery</b>		
	Do femtosecond laser-created arcuate incisions enable surgeons to manage low levels of astigmatism better than a blade (i.e. manual LRI)?	No
	Do femtosecond laser-created capsulotomies improve IOL centration and therefore accuracy of refractive outcomes and quality of vision in Multifocal/Multifocal toric IOLs?	Yes
<b>ORA<sup>®</sup></b>	Does ORA <sup>®</sup> increase the surgeon's ability to detect the need for toric IOLs intraoperatively when pre-op measurements show low levels of astigmatism?	Yes
	Are post-op refractive outcomes better when intra-op aberrometry is used in comparison using new IOL calculation formulas and new biometers alone especially for eyes with astigmatism (i.e. toric IOL implantating) and/or post-LASIK treated eyes.	Yes
<b>Contoura<sup>®</sup></b>	Does Contoura <sup>®</sup> provide superior quality of vision as compared with Wavelight Wavefront Optimized treatment?	Yes
	Do patient reported outcomes improve postoperatively (3 to 12 months) improve with Contoura <sup>®</sup> ?	Yes

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<b>NGENUITY®</b>		
	Does NGENUITY® contribute to better performance of vitreoretinal surgeries and improved patient safety?	No (US) Yes (Canada)
<b>Ultravit® Beveled Probe</b>	Does Ultravit® Beveled Probe make it easier for surgeons to make a complete vitrectomy?	No
<b>Hypervit® Dual-Blade Vitrectomy Probe</b>	Does Hypervit Dual-Blade make it easier for surgeons to complete specific segments of vitrectomy (e.g. core vitrectomy) compared to (non-Alcon) conventional probes?	Yes

	<i>Scientific and medical gaps that need to be addressed</i>	<i>Still accepting applications?</i>
<b>Contact Lenses</b>		
	Do Presbyopic New Wearer (PAL/Spectacle) prefer DT1MF for overall visual performance?	No
	Does DT1 reduce CL related dryness and improve lens wearing experience for dry eye patients?	No

	<i>Scientific and medical gaps that need to be addressed</i>	<i>Still accepting applications?</i>
<b>Dry Eye/ Ocular Health</b>		
	Does Systane Complete provides superior LLT vs other artificial tears?	No
	Does Systane Complete improve symptoms when used (throughout the day) in patients with CL related dryness?	No
	Does treatment with iLux improve MGD signs and symptoms?	No