

Research Support for Gabor Fichtinger

Research Support and Funding (* marks pending support; numbers were rounded)

Support Period	Title	Program Name Organization	Principal Investigator	Co-Applicant	Total Amount
* 12/2011 - 11/2016	Actuated Transrectal Prostate Robot for Intervention in Closed MRI	Biomedical Engineering Research Grant (R01) - National Institutes of Health (NIH) (USA)	Whitcomb, LL	Gabor Fichtinger	\$2,500,000
07/2010 - 06/2016	CCO Research Chair in Cancer Imaging	Cancer Imaging Network of Ontario (supplemented by Queen's) - Cancer Care Ontario	Gabor Fichtinger		\$1,000,000
* 04/2011 - 04/2016	System Prototyping in Image-Guided Robotic Percutaneous Intervention	Applied Cancer Research Units - Cancer Care Ontario	Gabor Fichtinger		\$1,500,000
01/2011 - 01/2016	Intraoperative Dose Visualization using X-Ray and Ultrasound for Prostate Brachytherapy	Biomedical Engineering Research Grant (R01) - National Institutes of Health (NIH) (USA)	Song, DY	Gabor Fichtinger	\$2,000,000
09/2010 - 08/2015	Ontario Consortium for Adaptive Interventions in Radiation Oncology (OCAIRO)	Research Excellence - Ontario Research Fund (ORF)	Jaffray, D	Gabor Fichtinger	\$8,000,000
07/2010 - 07/2015	Austrian Center for Medical Innovation and Technology (ACMIT)	Competence Centers for Excellent Technology (COMET) - European Union	Kronreif, G	Gabor Fichtinger	\$23,000,000
* 04/2011 - 04/2015	Needle Guidance in Soft Tissue	Discovery Grants - Individual - Natural Sciences and Engineering Research Council of Canada (NSERC)	Gabor Fichtinger		\$366,000
01/2010 - 12/2014	Percutaneous Oncology Intervention Laboratory (Perk Lab)	Leaders Opportunity Fund - Canada Foundation for Innovation (CFI)	Gabor Fichtinger		\$500,000
01/2010 - 12/2014	Percutaneous Oncology Intervention Laboratory (Perk Lab)	Research Infrastructure - Ontario Research Fund (ORF)	Gabor Fichtinger		\$500,000
12/2010 - 12/2012	Computational modeling of image-guided needle-based surgery	Postdoctoral Research Fellowship - Ministry of Research and Innovation (MRI) (Ontario)	Ungi, T	Gabor Fichtinger	\$50,000
09/2009 - 08/2012	Real-time Imaging for Ultrasound-guided Prostate Cancer Biopsy	Strategic Projects - Natural Sciences and Engineering Research Council of Canada (NSERC)	Abolmaesumi, P	Gabor Fichtinger	\$450,000
07/2007 - 06/2012	Image Guided Needle Placement	Research Initiation Grant - Queen's University	Gabor Fichtinger		\$100,000
* 04/2011 - 04/2012	C-arm Pose Encoding for Prostate Brachytherapy	Idea to Innovation - Natural Sciences and Engineering Research Council of Canada (NSERC)	Gabor Fichtinger		\$110,000
* 04/2011 - 04/2012	CCO Research Chair in Cancer Imaging	Infrastructure Supplement - Cancer Care Ontario	Gabor Fichtinger		\$38,000

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04/2010 - 04/2012	Intra-operative Brachytherapy System Calibration	Idea to Innovation Phase-2 - Natural Sciences and Engineering Research Council of Canada (NSERC)	Gabor Fichtinger		\$350,000
04/2009 - 03/2012	Decision Support for Augmented Ultrasound-guided Prostate Biopsy	Collaborative Health Research Project (CHRP) - Natural Sciences and Engineering Research Council of Canada (NSERC)	Mousavi, P	Gabor Fichtinger	\$232,000
04/2010 - 03/2012	Kinematics-based Navigation for Reconstructive Hip Surgery	Collaborative Health Research Program (CHRP) - Natural Sciences and Engineering Research Council of Canada (NSERC)	Ellis, RE	Gabor Fichtinger	\$220,000
04/2007 - 03/2012	Steering Flexible Needles in Soft Tissue	n/a - National Institutes of Health (NIH) (USA)	Okamura, AM	Gabor Fichtinger	\$3,565,000
04/2009 - 03/2012	Guidance System for Thoracic Epidural Anaesthesia	CHRP - Natural Sciences and Engineering Research Council of Canada (NSERC)	Rohling, R	Gabor Fichtinger	\$330,000
09/2009 - 08/2011	Real-time Image-based Needle Path Adjustment for Prostate Brachytherapy	MRI Postdoctoral Fellowship - Ministry of Research and Innovation (MRI) (Ontario)	Dehghan, E	Gabor Fichtinger	\$50,000
07/2006 - 05/2011	Enabling Technologies in MRI Guided Interventions	n/a - National Institutes of Health (NIH) (USA)	Tempany, CM	Gabor Fichtinger	\$3,800,000
04/2010 - 04/2011	Computational Modeling Image-guided Needle-based Surgery	Discovery Grant - Natural Sciences and Engineering Research Council of Canada (NSERC)	Gabor Fichtinger		\$29,000
04/2007 - 03/2011	Image Overlay for MRI-Guided Needle Insertions	Biomedical Research Grant - National Institutes of Health (NIH) (USA)	Carrino, JA (transferred from Fichtinger 2007)	Gabor Fichtinger	\$1,245,000
04/2007 - 03/2011	Real-time Ultrasound Guided Percutaneous Pain Management	Collaborative Health Research Project (CHRP) - Natural Sciences and Engineering Research Council of Canada (NSERC)	Abolmaesumi, P	Gabor Fichtinger	\$293,000
01/2009 - 12/2010	Fluoroscopy Pose Calculation for Dynamic Prostate Brachytherapy Dosimetry	MRI Postdoctoral Fellowship - Ministry of Research and Innovation (MRI) (Ontario)	Fallavollita, P	Gabor Fichtinger	\$50,000
09/2008 - 09/2010	Needle tracking in image- guided interventions	Postdoctoral Research Fellowship - Ministry of Research and Innovation (MRI) (Ontario)	Aboofazelli, M	Gabor Fichtinger	\$50,000
05/2007 - 07/2010	National Alliance of Medical Imaging Computing (NAMIC)	National Center of Excellence - National Institutes of Health (NIH) (USA)	Kikinis, R	Gabor Fichtinger	\$12,621,000

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07/2003 - 07/2010	Transrectal Prostate Therapy Robot In Closed MRI Scanner	Biomedical Engineering Research Grant (R01) - National Institutes of Health (NIH) (USA)	Whitcomb, LL (transferred from Fichtinger 2007)	Gabor Fichtinger	\$2,245,000
04/2009 - 04/2010	Intra-operative System Calibration for Brachytherapy	Idea to Innovation Phase-1 - Natural Sciences and Engineering Research Council of Canada (NSERC)	Gabor Fichtinger		\$110,000
04/2009 - 03/2010	Intra-operative System Calibration for Brachytherapy	Idea to Innovation - Natural Sciences and Engineering Research Council of Canada (NSERC)	Gabor Fichtinger		\$115,000
04/2009 - 03/2010	High Frame Rate Ultrasound for Prostate Cancer Diagnosis and Intervention	Research Tools and Instruments - Natural Sciences and Engineering Research Council of Canada (NSERC)	Abolmaesumi, P	Gabor Fichtinger	\$71,000
04/2006 - 03/2009	C-arm Fluoroscopy in Prostate Brachytherapy	Small Business Innovation Research (SBIR) Phase-2 - National Institutes of Health (NIH) (USA)	Burdette, EC	Gabor Fichtinger	\$900,000
04/2008 - 03/2009	Facility for Surgical Guidance Performance Evaluation and Training	Research Tools and Instruments - Natural Sciences and Engineering Research Council of Canada (NSERC)	Gabor Fichtinger		\$76,000
04/2008 - 03/2009	Intensity-based Registration of Ultrasound and Fluoroscopy - Development of A Clinically Viable System	Idea to Innovation Phase-1 - Natural Sciences and Engineering Research Council of Canada (NSERC)	Gabor Fichtinger		\$115,000
07/1999 - 06/2008	Center for Computer Integrated Surgical Systems and Technologies	Engineering Research Center - National Science Foundation (USA)	Taylor, RH	Gabor Fichtinger	\$15,000,000
04/2005 - 03/2008	CT Image Overlay Guidance for Needle Insertions	Sponsored Research Contract - Siemens Corporation Research & Support Inc	Gabor Fichtinger		\$70,000
04/2006 - 03/2008	Visualization and Real-time Dosimetry for Prostate Brachytherapy using Ultrasound	Biomedical Engineering Research Grant (R21) - National Institutes of Health (NIH) (USA)	Salcudean, S	Gabor Fichtinger	\$253,000
04/2006 - 03/2008	Ultrasound Ablation of Bone Cancer under CT Fluoroscopy	Small Business Innovation Research (SBIR) - National Institutes of Health (NIH) (USA)	Burdette, EC	Gabor Fichtinger	\$320,000
04/2006 - 03/2008	Enabling Technologies for MRI-guided Prostate Interventions	Biomedical Research Partnership - National Institutes of Health (NIH) (USA)	Tempany, C	Gabor Fichtinger	\$3,917,000
04/2006 - 03/2008	Ultrasound Elasticity Image Guidance for External Beam Partial Breast Irradiation	N/A - Breast Cancer Research Foundation (The)	Zellars, R	Gabor Fichtinger	\$262,000

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04/2006 - 03/2007	Image-guided, Dynamic Dosimetry for Permanent Interstitial Prostate Brachytherapy	Clinical Trial Award - Department of Defense (USA)	Song, DY	Gabor Fichtinger	\$150,000
04/2003 - 03/2006	Real-time Robotic Image-guided Prostate Brachytherapy	Small Business Innovation Research (SBIR) - National Institutes of Health (NIH) (USA)	Burdette, EC	Gabor Fichtinger	\$1,155,000
04/2005 - 03/2006	Transrectal Ultrasound Ablation of Prostate	Small Business Technology Transfer (STTR) - National Institutes of Health (NIH) (USA)	Gabor Fichtinger		\$105,000
04/2005 - 03/2006	Robot-assisted Laparoscopic Ultrasound	Small Business Technology Transfer (STTR) - National Institutes of Health (NIH) (USA)	Taylor, RH	Gabor Fichtinger	\$105,000
04/2001 - 03/2006	Percutaneous Therapy Systems	Research Contract - Georgetown University	Gabor Fichtinger		\$255,000
04/2004 - 03/2005	Robot-aided Liver Ablation under 3D Ultrasound Guidance	Small Business Innovation Research (SBIR) - National Institutes of Health (NIH) (USA)	Choti, MA	Gabor Fichtinger	\$105,000
04/2004 - 03/2005	C-arm Fluoroscopy in Prostate Brachytherapy	Small Business Innovation Research (SBIR) Phase-1 - National Institutes of Health (NIH) (USA)	Burdette, EC	Gabor Fichtinger	\$105,000
04/2004 - 03/2005	Fine Needle Placement and Injection in Rodents	Research Contract - Memorial Sloan-Kettering Cancer Center (New York, NY)	Gabor Fichtinger		\$105,000