

**Training of Highly Qualified Personnel** (Emphasis on advanced postdoctoral fellow mentoring.)**Individual Grant-Supported SrRAs and PDFs (partial and full) 18:**

Ilian Iliev	06–07	Cosmic Reionization	→ Zurich, PDF
Carolyn MacTavish	05–	CMB	Planck PDF, continuing
Christoph Pfrommer	05–	Cosmic Hydro & Clusters	continuing
Mike Nolta	04–	CMB	continuing
Jonathan Sievers	03–	CMB	to SrRA, continuing
Antony Lewis	02–05	CMB	→ 5 yr SERC, IoA, Cambridge
Carlo Contaldi	00–05	CMB	SrRA → Lecturer, Imperial
Marc-Antoine Miville-Deschene	10–	SrRA, Planck	partial support
Marc-Antoine Miville-Deschene	04–10	VisitingSrRA, Planck	partial support
Marc-Antoine Miville-Deschene	02–04	SrRA, Planck	→ tenure IAS, Paris
Dmitry Pogosyan	93–01	Early U, cosmology	SrRA → Assoc. Prof., U of Alberta
Izumi Murakami	93–95	clusters, Ly $\alpha$ clouds	Cdn Intl → tenure IPP/Nagoya
Avery Meiksin	92–94	clusters, Ly $\alpha$ clouds	Cdn Intl → ..., U. Edinburgh faculty
Lin Zuo	91–93	Ly $\alpha$ clouds	→ PDF, UC San Diego, → software industry
Glen Starkman	91–93	Early U, cosmology	→ Prof. Case Western
Matt Choptuik	90–91	numerical relativity	→ ..., Prof. UBC
Josh Barnes	89–90	galaxy formation, dynamics	→ Assoc. Prof. U of Hawaii
Hume Feldman	89–91	early U, LSS	→ Asst. Prof., UofKansas
Varun Sahni	89–90	early U, LSS	→ Assoc. Prof., IUCAA
Hugh Couchman	86–87	large scale structure	→ ..., Prof. McMaster

**Other CITA-Supported RAs and PDFs I Supervised: 30**

Amir Hajian	10–	CMB & ACT	PDF, continuing
Jens Chluba	08–	Recombination/CMB	PDF, continuing
Brice Menard	06–	Lensing	SrRA, continuing
Mike Kesden	05–	CMB and Lensing	continuing
Neal Dalal	05–	Gravitational Lensing	SrRA, continuing
Olivier Dore	05–	CMB	SrRA, continuing
Gil Holder	04	Cosmology	SrRA → Asst. Prof, McGill
Alexander Shirokov	04–	Cosmological N-Body studies	continuing
Pat McDonald	04–	SrRA, Lyman Alpha System	continuing
Subha Majumdar	02–	Clusters	continuing, → faculty TIFR, India
Henk Hoekstra	00–03	Lensing	SrRA → Asst. Prof. UBC
Renan Barkana	00–03	Physical Cosmology Reionization	→ Sr Lecturer, Tel Aviv University
Robin Humble	99–	parallel SPH computation	SrRA, continuing
Istvan Szapudi	99–01	large scale structure	→ Assoc. Prof., U of Hawaii
Simon Prunet	98–01	CMB	→ IAP, tenure
Ludovic van Waerbeke	97–00	gravitational lensing	→ Asst. Prof., UBC
Roman Scoccimaro	96–99	nonlinear clustering	→ PDF at IAS → Asst. Prof. NYU
Priya Natarajan	98–99	cosmology, lensing	→ Cambridge, → Asst. Prof. Yale
Rob Crittenden	96–99	CMB	→ Cambridge → Reader, Portsmouth
Tarun Souradeep	95–98	early universe, CMB	→ IUCAA faculty
Lloyd Knox	95–98	CMB	→ Assoc. Prof. UC Davis
Stephane Colombi	95–96	large scale structure	→ IAP, tenure
James Murray	94–97	Disks, MHD	→ Supercomputer Administrator, Swinburne
Brian Chaboyer	93–96	Stars, Chem Evoln	→ ..., Prof., Dartmouth
Rob Malaney	93–98	Nucleosynthesis	→ Sr. Lecturer, Univ. New South Wales
Janna Levin	93–95	Inflation, Early U	→ ..., Asst Prof, Columbia (Barnard)
Francis Bernardeau	92–94	nonlinear clustering	→ Saclay, tenure
Keith Ashman	92–93	dark matter	NATO PDF → Prof., Baher University
Steve Myers	90–92	CMB, LSS	→ tenured Scientist NRAO
Lev Kofman	90–93	inflation, LSS	→ Assoc. Prof, U. Hawaii; CITA Prof
Tolya Klypin	90–91	CMB, cosmic gas	→ Prof, U Ne Mexico

**Graduate students 12:**

Matt Russo	10–	21-cm and galaxy clustering	Ph.D. (joint with Pen)
Jonathan Braden	10–	early universe physics	Ph.D. (joint with Poppitz, ex-Kofman)
Gojko Vujanovic	08–10	21-cm and galaxy clustering	Ph.D. (joint with Pen)
Marzieh Fahrang	07–	CMB and Spider	M.Sc., Ph.D. (joint with Netterfield)
Nick Battaglia	06–	Nonthermal Clusters & the SZ Effect	M.Sc., Ph.D.
Zhiqi Huang	05–	dark energy & inflation	Ph.D. (joint with Kofman)

Marcelo Ruetalo	98-05	numerical cosmology	M.Sc. (Ph.D., incomplete) → software industry
Arno Dirks	97-05	early universe, inflation	Ph.D., incomplete, → College Teacher, India
Jennifer Karr	96-98	submm high $z$ galaxies	M.Sc.
James Wadsley	93-98	cosmic hydro, Ly $\alpha$ clouds	Ph.D. → Asst Prof, McMaster
Yoram Lithwick	94-95	Massive $\nu$ 's and CMB	M.Sc. → Caltech, PDF Berkeley, CITA
Dave Salopek	85-89	inflation, early U	→ RA, FNAL, DAMPT, Alberta, UBC

**Undergraduates 19:**

Jun Long	10	Energy Feedback in Clusters & Groups	UofT
Emma Lloyd	08	Origin of the highest-energy cosmic rays	Carleton
Ting Zhu	08	X-ray, Lensing and SZ Analyses of Clusters	UofT
Kangcheng Li	06	Analytic Models of the Sunyaev-Zeldovich Effect	UofT
Martig, Marie	06	Lensing	U Paris Centrale
Nick Battaglia	06	Superclusters & the Sunyaev-Zeldovich Effect	McGill
Natalie Gandilo	05-06	Weak Lensing and Dark Energy	UofT
David Kirsh	05	The Origin of Universal Halo Profiles	Queen's
Nick Battaglia	05	CMB Polarization and Foreground Studies	McGill
Adam Hincks	04-05	Topology of the Universe and the CMB	UofT to Princeton
Doug Hanley	04	Galactic foregrounds and CMB	Caltech
Jennifer Walker	02	cosmological parameters	UofT
Charmaine Armitage	01, 02	non-Gaussian CMB	UBC
Stephanie Tonneson	01	non-Gaussian CMB	Swarthmore
Kris Sigurdson	00	CMB & Quintessence	→ Caltech → Asst. Prof UBC
Mike Segal	97	CMB Data Comparisons	→ U of Calgary
David Charbonneau	96	CMB Data Comparisons	→ Ph.D., Asst Prof Harvard
Charles Shepherd	92	1D SPH Algorithms	→ Ph.D., UofT
Bruce MacIntosh	89	Hydro Visualization	→ Ph.D., UCLA

CITA PDFs and SrRAs are free to pursue their own work. The supervisory role is often as a guide to excellent work. In some cases, explicit collaborations with me have occurred.