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BIOGRAPHICAL INFORMATION

Gender	Female
Citizenship	USA

EDUCATION

Ph.D. in Astronomy & Astrophysics University of California, Santa Cruz	September 2002
M.S. in Astronomy & Astrophysics University of California, Santa Cruz	June 1998
B.S. in Astronomy with Honors <i>Outstanding Senior</i> , University of Arizona	May 1996
B.S. in Physics <i>Magna Cum Laude</i> , University of Arizona	May 1996

EXPERIENCE

Associate Professor Dept. of Physics & Astronomy, Texas A&M University	September 2012
Assistant Professor Dept. of Physics & Astronomy, Texas A&M University (Joint Appointment with UZH)	2009 – 2012
SNF Advanced Faculty Fellow Institute for Theoretical Physics, University of Zürich	2006 – 2011
NOVA Fellow Leiden Observatory, Netherlands (Concurrent Appointment with NSF AAPF)	2005 – 2006
NSF Astronomy & Astrophysics Fellow Harvard-Smithsonian Center for Astrophysics, Cambridge	2005 – 2006
Postdoctoral Researcher Institute for Astronomy, ETH Zürich	2002 – 2005
Research Assistant Dept. of Astronomy & Astrophysics, UC Santa Cruz	1997 – 2002
Dept. of Astronomy, Univ. of Arizona	1992 – 1996

ACADEMIC SUMMARY

Publications in Refereed Journals (as First Author)	47 (12)
Citations	1900+
Talks (Colloquia, Seminars, Conferences, & Public)	95 (36, 21, 23, 15)
Conferences	32

OBSERVING PROGRAMS

<i>Hubble Space Telescope</i> (Principal Investigator, selected programs)	Cycles 12 – 20
<i>Spitzer Space Telescope</i> (PI, selected programs)	Cycles 2 – 8
<i>Galaxy Evolution Explorer</i>	Cycle 4
<i>Keck Observatory</i> (PI, selected programs)	1997 – present
<i>Very Large Telescope</i> (PI, selected programs)	2002 – present
<i>Gemini Observatory</i> (PI)	2012
<i>Magellan Telescope</i> (PI)	2006
<i>Kitt Peak National Observatory</i> (PI)	2005
<i>Very Large Array</i>	2009, 2011
<i>James Clerk Maxwell Telescope</i>	2003 – 2005

AWARDS & GRANTS

NASA-Keck Observatory (2012B)	\$15.5K
NASA-Keck Observatory (2012B)	\$17K
<i>Hubble Space Telescope</i> Cycle 20 (2012)	\$111K
NASA-Keck Observatory (2012A)	\$20K
Texas A&M Competitive Grant Proposal for Computer Access/Instructional Technology (2011) Co-PI with Helmut Katzgraber, Texas A&M	\$38K
NASA-Keck Observatory (2011)	\$14K
<i>Hubble Space Telescope</i> Cycle 19 (2011)	\$73K
NSF Astronomy & Astrophysics Research Grant (2010) Co-PI with Casey Papovich, Texas A&M	\$314K
Texas A&M Montague–Center for Teaching Excellence Scholar (2010)	\$6.5K
Australian Astronomical Observatory Distinguished Visitor (2010)	\$4.5K
Swiss NSF Advanced Faculty Fellowship (2006)	\$1,047K
<i>Spitzer Space Telescope</i> Cycle 3 (2006)	\$14K
NSF Astronomy & Astrophysics Fellowship (2005)	\$201K
NOVA Fellowship (2005)	\$150K
<i>Hubble Space Telescope</i> Cycle 14 (2005)	\$28K
<i>Spitzer Space Telescope</i> Cycle 2 (2005)	\$50K
Total as Principal Investigator (USD):	\$2,103,500
NSF ADVANCE Grant (2010) as Co-I with PI Sherry Yennello, Texas A&M	\$3,500K

CURRENT RESEARCH INTERESTS

ProjectDistant Infra-Red Cluster Survey at $z > 1.5$ Life Before the Fall: Evolution of Galaxies in
a Super-Group at $z = 0.37$ Recent Merging History of Massive Galaxies
in the Local Universe

zFOURGE: Four-Star Galaxy Evolution Survey

CollaboratorsC. Papovich, A. Saintonge,
A. Tomczak, G. KacprzakA. Gonzalez, D. Zaritsky,
J. Moustakas, E. FreelandJ. Erickson, S. Brough
K. Gebhardt, A. von der LindenI. Labbé, C. Papovich
K. Glazebrook, L. Spitler
E. Persson, P. McCarthy,
A. Munson, R. Quadri,
Vithal Tilvi, P. van DokkumSUPERVISION

Postdoctoral Researchers

Dr. Vithal Tilvi (2011 – present) Texas A&M

(Co-supervised with C. Papovich)

Dr. Emily Freeland (2009 – 2012) Texas A&M

Dr. Keely Finkelstein (2009 – 2011) Texas A&M

(Co-supervised with C. Papovich)

Dr. Amélie Saintonge (2007 – 2009) University of Zürich

Graduate Students

Ms. Paola Oliva (Spring 2013) Swinburne University

(Co-supervised with S. Brough and W. Couch)

Mr. Jimmy Erickson (2010 – present; PhD) Texas A&M

Mr. Adam Tomczak (2009 – present; PhD) Texas A&M

Mr. Kyle Cook (2011 – 2012) Texas A&M

Ms. Lea Giordano (2007 – 2012; PhD) University of Zürich

Mr. Willy Kranz (2007 – 2009; Masters) University of Zürich

Undergraduate Students

Mr. Adam Broussard (since August 2013) Texas A&M

Mr. Jonathan Munroe (since February 2013) Texas A&M

Mr. Whitman Howard (Summer 2013) Texas A&M

Mr. Ben Becker (2009 – 2011) Texas A&M

Mr. Carlos Martinez (Spring 2009) Texas A&M

Mr. Rahul Kannan (Summer 2008) University of Zürich

Ms. Malaika Liv Mani (2007 – 2008) University of Zürich

TEACHING RECOGNITION

Texas A&M Montague–Center for Teaching Excellence Scholar

July 2010

TEACHING EXPERIENCE

Lecturer

Dept. of Physics & Astronomy	Texas A&M University, present
<i>Survey of Astronomy (ASTR 314)</i>	Fall 2012
<i>Overview of Modern Astronomy (ASTR 111)</i>	Fall 2010, Spring 2011,
(Course Developer; general audience)	Fall 2011
Honors ASTR 111	Fall 2012, Fall 2011
<i>Basic Astronomy (ASTR 101)</i>	Spring 2009, Fall 2009
Mitchell Institute <i>Physics Enhancement Program</i>	June 2012
Institute for Theoretical Physics	University of Zürich, 2007 – 2008
<i>Introduction to Astrophysics</i>	Spring 2007, Spring 2008
(3rd year physics undergrads)	
<i>Overview of Modern Astrophysics</i>	Fall 2007
(Course Developer; general audience)	
Center for Talented Youth	UC Santa Cruz, November 2000
Project COSMOS	UC Santa Cruz, August 2000

Assistant

Undergraduate courses	ETH Zürich, 2002 – 2005
Advisor, Independent Study	ETH Zürich, 2003
Undergraduate courses	UC Santa Cruz, 1996 – 1997
Undergraduate courses	Univ. of AZ, 1994 – 1995
Summer Science Program (Thatcher School)	Ojai, CA, Summer 1994

PROFESSIONAL SOCIETIES

American Astronomical Society	2009 – present
Swiss Astronomical Society	2007 – 2009
Phi Beta Kappa	1996 – present

SERVICE

International Community Level

National Science Foundation Review Panel	NDA
<i>Hubble Space Telescope</i> Review Panel	May 2013
<i>Hubble Space Telescope</i> Review Panel	May 2011
Referee, <i>Astrophysical Journal</i>	2000 – present
Gemini TAC, External Reviewer	2004, 2009
ESO Observing Programmes Committee	2006 – 2007

University Level

Faculty Senate	since May 2012
Astro Aggies blog, <i>The Eagle</i>	since 2012
TAMU ADVANCE Leadership Team	2010 – present
Texas Science Olympiad (Astronomy Lead)	April 2010
TAMU ADVANCE Proposal Committee	Fall 2009
University of Zürich, 175 th Anniversary	April 2008
ETH Night of Physics	June 2005
Primary Schoolday, 150 Years ETH Zürich	March 2005
Speaker, Lick Observatory Summer Visitors Program	July 2002
Speaker, Expanding Your Horizons, UC Santa Cruz	March 2001

Department Level

Chair, Graduate Records Committee	since 2012
Mitchell Institute Communications Committee	since 2013
IT committee	since 2013
TAMU Astronomy Undergraduate Coordinator	since 2009
TAMU Physics Festival	March 2011
TAMU Astronomy Public Relations	2009 – 2011
<i>Building Astronomy in Texas</i> Workshop (co-chair)	October 2010
Big Physics Day (at TAMU)	October 2010
TAMU Physics Festival	March 2010
TAMU Graduate Admissions Committee	2009 – 2010

NEWS & PRESS COVERAGE (SELECTED ARTICLES)

<i>The Eagle</i> Newspaper, Astro Aggies blog “A First-Hand View of the Giant Magellan Telescope Mirror Casting”	04 September 2013
<i>The Eagle</i> Newspaper, Astro Aggies blog “Keck Diaries: Parts I & II”	March & April 2013
<i>The Eagle</i> Newspaper, Astro Aggies blog “Comet Watching in Aggieland”	08 March 2013
<i>The Eagle</i> Newspaper, Astro Aggies blog “Transit of Venus: Last Chance this Century”	04 June 2012
<i>Sky and Telescope</i> website “Colorful Cluster Transformation”	19 March 2012
KAGS (Local NBC television affiliate) Interview aired on News@22:00	14 March 2012
<i>The Eagle</i> Newspaper “Researchers discover galaxy cluster”	14 March 2012
Futurity.org “Camera Spies Most Distant Galaxy Cluster”	08 March 2012
UniverseToday.com “FourStar Service: Red Galaxy Cluster Hides In Plain Sight”	07 March 2012
EarthSky.org “Texas A&M astronomers help find distant galaxy cluster to shed light on early universe”	06 March 2012
Physorg.com “Astronomers find distant galaxy cluster to shed light on early universe”	06 March 2012
<i>The Eagle</i> Newspaper “Texas A&M helping to build new Giant telescope”	28 May 2011
<i>Spirit</i> Magazine (Texas A&M Foundation) “More Stars Are Born”	Spring 2011
Futurity.org “Ancient Galaxy Cluster Is Shockingly Modern”	20 August 2010
National Public Radio (NPR) “Stars Being Born in Oldest Galaxies”	19 August 2010
<i>Astronomy Magazine</i> Online “Hidden Star Power Revealed”	19 August 2010
<i>Astronomy Now</i> Online “Galaxies’ Glory Days Revealed”	19 August 2010
UPI.com “Study: Stars being born in oldest galaxies”	18 August 2010
Physorg.com “Hidden Star Power Revealed”	18 August 2010

JPL, <i>Spitzer Space Telescope</i> News Release “ <i>Galaxies’ Glory Days Revealed</i> ”	18 August 2010
Texas A&M College of Science Release “ <i>Hidden Star Power Revealed</i> ”	18 August 2010
<i>Canberra Times</i> Newspaper Feature “ <i>Australia plays its part in giant eye on the universe</i> ”	30 July 2010
ABC Canberra Radio Interview with Presenter Louise Maher	29 July 2010
UNIMAGAZIN “ <i>Tanz der Galaxien</i> ”	September 2009
Raum und Wohnen Magazine “ <i>Workspaces: Astronomy</i> ”	August 2009
The Battalion Newspaper “ <i>Aggie Astronomers Reach for the Stars</i> ”	10 June 2009
Ciel & Espace Magazine “ <i>Flagrant Délit d’Accouplement</i> ”	October 2008
Space.com “ <i>Galaxy Formation: A Clumpy Affair</i> ”	September 2008
<i>European Southern Observatory</i> Science Release “ <i>How Do Galaxies Grow?</i> ”	August 2008
<i>Spitzer Space Telescope</i> Web Release “ <i>Spitzer Notices Star Birth Spike in Galaxies Moving to Cosmic Cities</i> ”	August 2008
Neue Zürcher Zeitung “ <i>Wie Galaxien Entstehen</i> ”	18 April 2008
<i>You’d Prefer an Astronaut</i> podcast Interview	October 2007
UNIMAGAZIN “ <i>Blick in den Sternenhimmel</i> ”	June/July 2006

REFERENCES

* Primary References

Prof. Warrick Couch *

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Prof. Garth Illingworth *

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Prof. Ben Moore, Chair

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PUBLICATIONS

◊ Denotes five most important *first author publications* (P31, P28, P15, P7, P3).

Author order reflects contribution.

Denotes directly supervised student or postdoctoral researcher*.

IN PREPARATION

- P48 “*Spitzer/MIPS Infra-Red Cluster Survey (SMIRCS IV)*”
K. Tran, A. Saintonge*, J. Moustakas, B. Holden, A. Gonzalez, & D. Zaritsky

REFEREED PUBLICATIONS (15 LETTERS; 31 ARTICLES; 1 THESIS)

2013

- P47 “*Galaxy Stellar Mass Functions from ZFOURGE/CANDELS: An Excess of Low-Mass Galaxies Since $z=2$ and the Rapid Buildup of Quiescent Galaxies,*”
A. Tomczak, R. Quadri, **K. Tran**, I. Labbé, C. Straatman, & 14 co-authors
 Astrophysical Journal, 2013, submitted
- P46 “*Angular Momenta of Brightest Cluster Galaxies and Their Merger Histories,*”
 Jimmy, **K. Tran**, S. Brough, K. Gebhardt, A. von der Linden, W. Couch, & R. Sharp
 Astrophysical Journal, 2013, 778, 171J
- P45 “*Discovery of Lyman Break Galaxies at $z \sim 7$ from the z-FourGE Survey,*”
 V. Tilvi, C. Papovich, **K. Tran**, et al.
 Astrophysical Journal, 2013, 768, 56
- P44 “*Caught in the Act: The Assembly of Massive Cluster Galaxies at $z = 1.62$,*”
 J. Lotz et al., including **K. Tran**
 Astrophysical Journal, 2013, 773, 154
- P43 “*Multi-Wavelength Properties of Barred Galaxies in the Local Universe: Environment and Evolution Across the Hubble Sequence,*”
L. Giordano, **K. Tran**, B. Moore, & A. Saintonge
 Astrophysical Journal Letters, 2013, submitted
- P42 “*Multi-wavelength Properties of Barred Galaxies in the Local Universe: Virgo Cluster,*”
L. Giordano, **K. Tran**, B. Moore, & A. Saintonge*
 Astrophysical Journal, 2013, in press
- P41 “*CANDELS Observations of the Environmental Dependence of the Color-Mass-Morphology Relation at $z = 1.6$* ”
 R. Bassett, C. Papovich, J. Lotz, E. Bell, S. Finklestein, J. Newman, **K. Tran**, +12 others
 Astrophysical Journal, 2013, 770, 58

2012

- P40 “*A Tale of Giants and Dwarfs: Using a $z = 1.62$ Cluster to Understand How the Red Sequence Grew Over the Last 9.5 Billion Years*”
 G. Rudnick, **K. Tran**, C. Papovich, I. Momcheva, & C. Willmer
 Astrophysical Journal, 2012, 755, 14

- P39 “*First Results from z-FOURGE: Discovery of a Candidate Cluster at $z = 2.2$ in COSMOS,*”
L. Spitler, I. Labbé, K. Glazebrook, E. Persson, A. Monson, C. Papovich, **K. Tran**,
+9 authors
Astrophysical Journal Letters, 2012, 748, L21
- P38 “*CANDELS Observations of the Structural Properties of Cluster Galaxies at $z = 1.62$,*”
C. Papovich, R. Bassett, J. Lotz, A. van der Wel, **K. Tran**, +22 authors
Astrophysical Journal, 2012, 750, 93
- P37 “*The Evolution of the Star Formation Activity per Halo Mass up to Redshift ~ 1.6 as Seen by Herschel,*”
P. Popesso et al., including A. Tomczak & **K. Tran**
Astronomy & Astrophysics, 2012, 537, 58
- 2011**
- P36 “*Detection of Outflowing and Extraplanar Gas in Disks in an Assembling Galaxy Cluster at $z = 0.37$,*”
E. Freeland*, **K. Tran**, T. Irwin, L. Giordano, A. Saintonge, A. Gonzalez, D. Zaritsky,
& D. Just
Astrophysical Journal Letters, 2011, 742, 34
- P35 “*A Search for Young Stars in the S0 Galaxies of a Super-Group at $z = 0.37$ ”*
D. Just, D. Zaritsky, **K. Tran**, A. Gonzalez, S. Kautsch, & J. Moustakas
Astrophysical Journal, 2011, 740, 54
- P34 “*A Census of Mid-Infrared Selected Active Galactic Nuclei in Massive Galaxy Clusters at $0 < z < 1.3$ (SMIRCS III)*”
A. Tomczak, **K. Tran**, & A. Saintonge
Astrophysical Journal, 2011, 738, 65
- P33 “*Spatial Kinematic Maps of Brightest Cluster Galaxies and Their Merging Companions from Integral Field Unit Spectroscopy,*”
S. Brough*, **K. Tran**, R. Sharp, A. von der Linden, & W. Couch
Monthly Notices of the Royal Astronomical Society Letters, 2011, 414L, 80B
- P32 “*The HETDEX Pilot Survey III: The Metallicities of High-Redshift Lyman Alpha Galaxies,*”
S. Finkelstein, G. Hill, K. Gebhardt, J. Adams, G. Blanc, C. Papovich, R. Ciardullo,
N. Drory, E. Gawiser, C. Gronwall, D. Schneider, & **K. Tran**
Astrophysical Journal, 2011, 729, 140
- 2010**
- P31 \diamond “*Reversal of Fortune: Confirmation of an Increasing Star Formation-Density Relation in a Galaxy Cluster at $z = 1.62$,*”
K. Tran, C. Papovich, A. Saintonge*, M. Brodwin, J. Dunlop, D. Farrah,
K. Finkelstein*, S. Finkelstein, J. Lotz, R. McLure, I. Momcheva, & C. Willmer
Astrophysical Journal Letters, 2010, 719, L126

- P30 “*The Homogeneous Properties of H α -Selected Galaxies at ($0 < z < 0.15$),*”
 W. Kranz, **K. Tran**, L. Giordano, & A. Saintonge*
 Astronomical Journal, 2010, 140, 561
- P29 “*A Spitzer-Selected Galaxy Cluster at $z = 1.62$,*”
 C. Papovich, I. Momcheva, C. Willmer, K. Finkelstein, S. Finkelstein, **K. Tran**,
 +10 coauthors
 Astrophysical Journal, 2010, 716, 1503
- 2009**
- P28 \diamond “*A Spectroscopically Confirmed Excess of 24 μ m Sources in a Super Galaxy Group
 at $z = 0.37$ (SMIRCS II):
 Enhanced Dusty Star Formation Relative to the Cluster and Field Environment,*”
K. Tran, A. Saintonge*, J. Moustakas, L. Bai, A. Gonzalez, B. Holden, D. Zaritsky,
 & S. Kautsch
 Astrophysical Journal, 2009, 705, 809
- 2008**
- P27 “*Formation of Early-type Galaxies in Groups Prior to Cluster Assembly,*”
 S. J. Kautsch, A. H. Gonzalez, C. A. Soto, J. Moustakas, **K. Tran**, & D. Zaritsky
 Astrophysical Journal Letters, 2008, 688L, 5
- P26 “*Spitzer/MIPS Observations of Galaxy Clusters (SMIRCS I):
 An Increasing Fraction of Obscured Star-Forming Members from $z=0.02$ to $z=0.83$,*”
 A. Saintonge*, **K. Tran**, & B. P. Holden
 Astrophysical Journal Letters, 2008, 685L, 113
- P25 “*The Late Assembly of Massive Cluster Galaxies Via Major Merging,*”
K. Tran, J. Moustakas, A. H. Gonzalez, L. Bai, D. Zaritsky, & S. J. Kautsch,
 Astrophysical Journal Letters, 2008, 683L, 17
- 2007**
- P24 “*Mass-Selection and the Evolution of the Morphology-Density Relation,*”
 B. Holden, G. Illingworth, M. Franx, J. Blakeslee, M. Postman, D. Kelson, R. Demarco,
 N. Homeier, D. Magee, A. van der Wel, **K. Tran**, & 4 others
 Astrophysical Journal, 2007, 670, 190
- P23 “*First Measurements of a Rapid Increase in the AGN Fraction in High-Redshift ,*”
Clusters of Galaxies,”
 J. Eastman, P. Martini, G. Sivakoff, D. Kelson, J. Mulchaey, & **K. Tran**
 Astrophysical Journal Letters, 2007, 664, 9L
- P22 “*IR Observations of MS 1054–03: Star Formation & Its Evolution in Rich Galaxy Clusters,*”
 L. Bei, D. Marcillac, G. Rieke, M. Rieke, **K. Tran**, J. Hinz, G. Rudnick, D. Kelly, &
 M. Blaylock
 Astrophysical Journal, 2007, 664, 181
- P21 “*A Keck Spectroscopic Survey of MS 1054–03 ($z = 0.83$): Forming the Red Sequence,*”
K. Tran, M. Franx, G. Illingworth, P. van Dokkum, D. Kelson, J. Blakeslee, & M. Postman
 Astrophysical Journal, 2007, 661, 750

- P20 “Deep Submillimeter Observations of Two Lyman- α Emitting Galaxies at $z \sim 6.5$,”
T. Webb, **K. Tran**, S. Lilly, & P. van der Werf
Astrophysical Journal, 2007, 659, 76

2006

- P19 “Clusters at Half Hubble Time: Galaxy Structure and Colors in RXJ0152.7-1357
and MS1054-03,”
J. P. Blakeslee, +13 co-authors, & **K. Tran**
Astrophysical Journal, 2006, 644, 30
- P18 “The Possible $z = 0.83$ Precursors of $z = 0, M^*$ Early-type Cluster Galaxies,”
B. P. Holden, M. Franx, G. D. Illingworth, M. Postman, J. P. Blakeslee, N. Homeier,
R. Demarco, H. Ford, P. Rosati, D. Kelson, & **K. Tran**
Astrophysical Journal Letters, 2006, 642L, 123

2005

- P17 “Colors of Luminous Bulges in Cluster MS 1054-03 and Field Galaxies at $z \sim 0.83$,”
D. C. Koo, S. Datta, C. N. A. Willmer, L. Simard, **K. Tran**, & M. Im
Astrophysical Journal Letters, 2005, 634L, 5
- P16 “HST/ACS Weak-lensing and Chandra X-ray Studies of the High Redshift Cluster
MS 1054-0321,”
M. Jee, R. White, H. Ford, J. Blakeslee, G. Illingworth, D. Coe, & **K. Tran**
Astrophysical Journal, 2005, 634, 813
- P15 \diamond “Spectroscopic Confirmation of Multiple Red Galaxy-Galaxy Mergers in MS 1054-03,”
K. Tran, P. van Dokkum, M. Franx, G. Illingworth, D. Kelson, & N. Förster Schreiber
Astrophysical Journal Letters, 2005, 627L, 25
- P14 “Galaxy Cluster Assembly at $z = 0.37$,”
A. Gonzalez, **K. Tran**, M. Conbere, & D. Zaritsky
Astrophysical Journal Letters, 2005, 624L, 73
- P13 “The Morphology – Density Relation in $z \sim 1$ Clusters,”
M. Postman, M. Franx, N. Cross, B. Holden, H. Ford, G. Illingworth, T. Goto,
R. Demarco, P. Rosati, J. Blakeslee, **K. Tran**, & N. Benitez
Astrophysical Journal, 2005, 623, 721
- P12 “Infall, the Butcher-Oemler Effect, & the Descendants of Blue Cluster Galaxies at
 $z \sim 0.6$,”
K. Tran, P. van Dokkum, G. Illingworth, D. Kelson, A. Gonzalez, & M. Franx
Astrophysical Journal, 2005, 619, 134
- P11 “The Luminosity Functions of the Galaxy Cluster MS 1054-0321 at $z=0.83$ Based on
ACS Photometry,”
T. Goto, M. Postman, N. Cross, G. Illingworth, **K. Tran**, D. Magee, M. Franx,
& the ACS Team
Astrophysical Journal, 2005, 621, 188

2004

- P10 “A VLT/FORS2 Multi-Slit Search for Lyman- α Emitting Galaxies at $z \sim 6.5$,”
K. Tran, S. Lilly, D. Crampton, & M. Brodwin
 Astrophysical Journal Letters, 2004, 612L, 89
- P9 “Field E+A Galaxies at Intermediate Redshifts ($0.3 < z < 1$),”
K. Tran, M. Franx, G. Illingworth, P. van Dokkum, D. Kelson, & D. Magee
 Astrophysical Journal, 2004, 609, 683
- P8 “An X-ray Review of MS 1054–03: Hot or Not?,”
 I. Gioia, V. Braito, R. Della Ceca, T. Maccacaro, & **K. Tran**
 Astronomy & Astrophysics, 2004, 419, 517

2003

- P7 \diamond “The Nature of E+A Galaxies in Intermediate Redshift Clusters,”
K. Tran, M. Franx, G. D. Illingworth, P. van Dokkum, & D. Kelson
 Astrophysical Journal, 2003, 599, 865
- P6 “CL 1358+62: Characterizing the Physical Properties of Cluster Galaxies at $z = 0.33$,”
K. Tran, L. Simard, G. D. Illingworth, and M. Franx
 Astrophysical Journal, 2003, 590, 238

1999–2002

- P5 “Galaxy Populations in Rich Environments,”
K. Tran
 Ph.D Thesis, 2002, Dept. of Astronomy & Astrophysics, UC Santa Cruz
- P4 “A Uniform Analysis of the Ly α Forest at $z = 0 - 5$: III. HST Faint Object Spectrograph Spectral Atlas,”
 J. Bechtold, A. Dobrzycki, B. Wilden, M. Morita, J. Scott, D. Dobryzcka,
K. Tran, & T. Aldcroft
 Astrophysical Journal Supplements, 2002, 140, 143
- P3 \diamond “The Galaxy Populations of X-Ray Detected Poor Groups,”
K. Tran, L. Simard, A. I. Zabludoff, & J. S. Mulchaey
 Astrophysical Journal, 2001, 549, 172
- P2 “The Velocity Dispersion of MS 1054–03: A Massive Galaxy Cluster at High Redshift,”
K. Tran, D. Kelson, P. van Dokkum, M. Franx, G. D. Illingworth & D. Magee
 Astrophysical Journal, 1999, 522, 39
- P1 “Pair of Lensed Galaxies at $z = 4.92$ in the Field of CL 1358+62,”
 M. Franx, G. D. Illingworth, D. D Kelson, P. van Dokkum, & **K. Tran**
 Astrophysical Journal Letters, 1997, 486L, 75

SELECTED CONFERENCE CONTRIBUTIONS

- C12 “*Outflowing Gas in Disks in an Assembling Galaxy Cluster at $z = 0.37$* ”
E. Freeland* & **K. Tran**
Gas Flows in Galaxies, Space Telescope Science Institute, Baltimore, May 2012
- C11 “*Multi-Wavelength Properties of Barred Galaxies in the Virgo Cluster*”
L. Giordano, **K. Tran**, B. Moore, & A. Saintonge*
From Stars to Galaxies, Gainesville, Florida, April 2010
- C10 “*A Spectroscopically Confirmed Excess of Dusty Star Formation in a Super Galaxy Group at $z \sim 0.37$* ”
K. Tran, A. Saintonge*, J. Moustakas, L. Bei, A. Gonzalez, B. Holden, D. Zaritsky, & S. Kautsch
From Stars to Galaxies, Gainesville, Florida, April 2010
- C9 “*The Importance of AGN in an Assembly Galaxy Cluster*”
K. Tran & A. Saintonge*
ASP Conference Proceedings (eds. S. Heinz & E. Wilcots), 2009
- C8 “*Triggering Bars in the Virgo Cluster: Does Environment Matter?*”
L. Giordano, **K. Tran**, B. Moore, A. Saintonge*, & V. deBattista
Galaxy Disks in a Cosmological Context, Copenhagen, Denmark, June 2008
- C7 “*Formation of Massive Galaxies in Groups Prior to Cluster Assembly at $z = 0.37$,*”
K. Tran, J. Moustakas, A. Gonzalez, S. Kautsch, D. Zaritsky, & K. Masters
Magellan Science Conference, Cambridge, MA, October 2007
- C6 “*A Keck Spectroscopic Survey of MS 1054–03: Assembling the Red Sequence,*”
K. Tran, M. Franx, G. D. Illingworth, P. van Dokkum, D. Kelson, J. Blakeslee, & M. Postman
Cosmic Frontiers, Durham University, United Kingdom, August 2006
- C5 “*Post-starburst Galaxies in Intermediate Redshift Clusters,*”
K. Tran, M. Franx, G. D. Illingworth, P. van Dokkum, & D. Kelson
IAU Symposium 195, Outskirts of Galaxy Clusters: Intense Life in the Suburbs, Torino, Italy, March 2004
- C4 “*Searching for Emission Line Galaxies at 9200\AA ,*”
K. Tran, S. Lilly, M. Brodwin, & D. Crampton
From First Light to the Milky Way, Zürich, Switzerland, August 2003
- C3 “*E+A Galaxies in Intermediate Redshift Clusters,*”
K. Tran, M. Franx, G. D. Illingworth, P. van Dokkum, & D. Kelson
Carnegie Centennial Symposium (eds. J. S. Mulchaey, A. Dressler, & A. Oemler), 2003

- C2 “*Cluster Galaxy Populations from $z = 0.33 - 0.83$: Characterizing Evolution with CL 1358+62,*”
K. Tran, G. D. Illingworth, M. Franx, P. van Dokkum, & D. Kelson
ASP Conference Proceedings (eds. S. Borgani, M. Mezzetti, & R. Valdarnini), 2001
- C1 “*A Keck Spectroscopic Study of Substructure in the Massive, X-ray Luminous Galaxy Cluster MS 1054-03 at $z = 0.83$,*”
K. Tran, G. D. Illingworth, P. van Dokkum, & A. Zabludoff
ASP Conference Proceedings (eds. A. Mazure, O. Le Fèvre, & V. Le Brun), 1999

TALKS

COLLOQUIA (36; INVITED)

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”
Dept. of Astronomy, University of Wisconsin, Madison, October 2013

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”
Dept. of Physics, University of Wisconsin, Milwaukee, October 2013

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”
Dept. of Astronomy, Columbia University, September 2013

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”
Physics Dept., Sam Houston State University, May 2012

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”
Kavli Institute of Astronomy & Astrophysics, Beijing, China, April 2012

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”
Department of Physics, National Taiwan University, Taipei, March 2012

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”
Department of Astronomy, Case Western Reserve University, February 2012

“Building Massive Galaxies Over Cosmic Time: A How-To Manual” (Promotion Presentation)
Department of Physics & Astronomy, Texas A&M University, October 2011

“How Do Galaxies in Massive Clusters Form Their Stars?”
Department of Physics, Baylor University, Texas, September 2011

“How Do Galaxies in Massive Clusters Form Their Stars?”
Department of Physics & Astronomy, Texas A&M – Commerce, September 2011

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”
Australian Astronomical Observatory, Epping, Australia, August 2011

“How Do Galaxies in Massive Clusters Form Their Stars?”
Institute of Astronomy, University of Vienna, Austria, April 2011

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”
Department of Astronomy, UT Austin, Texas, February 2011

“How Do Galaxies in Massive Clusters Form Their Stars?”
Department of Physics & Astronomy, McGill University, Quebec, Canada, January 2011

“How Do Galaxies in Massive Clusters Form Their Stars?”

Department of Physics, University of Alberta, Canada, December 2010

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”

Mount Stromlo Observatory, Canberra, Australia, July 2010

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”

Centre for Astrophysics & Supercomputing, Swinburne University, July 2010

“Spitzer/MIPS Infra-Red Cluster Survey (SMIRCS)”

Institute for Astronomy, University of Hawaii, Honolulu, March 2010

“Cosmic Collisions: Forming the Most Massive Galaxies in the Universe”

Department of Physics & Astronomy, Trinity University, San Antonio, TX, March 2009

“Forming the Red Sequence in Massive Galaxy Clusters”

Department of Astronomy, University of Florida, Gainesville, May 2008

“Forming the Red Sequence in Massive Galaxy Clusters”

Joint Astronomy Colloquium, University of Heidelberg, November 2007

“Cosmic Collisions: Forming the Most Massive Galaxies in the Universe”

Physics Department, Texas A&M University, College Station, May 2007

“Forming the Red Sequence in Massive Galaxy Clusters”

Astronomy Department, University of Wisconsin at Madison, May 2007

“Forming the Red Sequence in Massive Galaxy Clusters”

Department of Astronomy & Astrophysics, Pennsylvania State University, April 2007

“Forming the Red Sequence in Massive Galaxy Clusters”

Research School of Astronomy & Astrophysics, Australian National University, Canberra, March 2007

“Cosmic Collisions: Forming the Most Massive Galaxies in the Universe”

Physics Department, Virginia Tech, September 2006

“Galaxy Cluster Assembly and the Origin of Early-type Members”

Astrophysics Sub-Department, University of Oxford, June 2006

“Galaxy Cluster Assembly and the Origin of Early-type Members”

Leiden Observatory, The Netherlands, March 2006

“Stellar Assembly and Galaxy Evolution in the Distant Universe”

Astronomy Department, University of Massachusetts, Amherst, March 2006

“The Origin of Early-type Galaxies in Rich Clusters”

Kapteyn Institute, Groningen, The Netherlands, January 2006

“Galaxy Cluster Assembly and the Origin of Early-type Members”

European Southern Observatory, Santiago, Chile, August 2005

“Lyman- α Emitting Galaxies at $z \sim 6.5$: Results from the VLT & JCMT”

Institute of Radio Astronomy, Bologna, Italy, June 2005

“Infall, the Butcher-Oemler Effect, and the Descendants of Blue Cluster Galaxies at $z \sim 0.6$ ”

Department of Astronomy, University of Florida, November 2004

“A VLT/FORS2 Multi-slit Search for Lyman- α Emitting Galaxies at $z \sim 6.5$ ”

National Astronomical Observatory of Japan, Tokyo, July 2004

“Constraints on the Luminosity Function of Lyman- α Emitters at $z \sim 6.5$ ”

Department of Astronomy & Astrophysics, UC Santa Cruz, May 2004

“The Nature of E+A Galaxies in Intermediate Redshift Clusters”

Steward Observatory, University of Arizona, December 2003

SEMINARS (21; INVITED)

“Galaxy Clusters & ZFOURGE”

Department of Physics & Astronomy, Rutgers University, December 2013

“Galaxy Clusters & ZFOURGE”

Inter-Medium Program Studies (IMPS), UC Santa Cruz, November 2013

“*Star Formation in Galaxy Clusters Over the Past 10 Billion Years*”

Subaru Telescope, Hilo, Hawaii, October 2012

“*Star Formation in Galaxy Clusters Over the Past 10 Billion Years*”

Max Planck Institute for Extra-terrestrial Physics, February 2011

“*Star Formation in Galaxy Clusters Over the Past 10 Billion Years*”

Astrophysics Group, School of Physics, University of Melbourne, July 2010

“*Galaxy Evolution in Rich Environments*”

Centre for Astrophysics & Supercomputing, Swinburne University, June 2009

“*Spitzer/MIPS Infra-Red Cluster Survey (SMIRCS)*”

Department of Astronomy, Columbia University, August 2008

“*Forming the Red Sequence in Massive Galaxy Clusters*”

Department of Astrophysics, American Museum of Natural History, New York, October 2007

“*Forming the Red Sequence in Massive Galaxy Clusters*”

Department of Physics, New York University, April 2007

“*A Keck Spectroscopic Survey of MS 1054-03 ($z = 0.83$): Forming the Red Sequence*”

Centre for Astrophysics & Supercomputing, Swinburne University, December 2006

“*A Keck Spectroscopic Survey of MS 1054-03 ($z = 0.83$): Forming the Red Sequence*”

Leiden Observatory, The Netherlands, October 2006

“*Stellar Assembly and Galaxy Evolution in the Distant Universe*”

Institute of Astronomy, University of Cambridge, March 2006

“*The Origin of Early-type Galaxies in Rich Clusters*”

Yale Center for Astronomy & Astrophysics, Yale University, October 2005

“*Galaxy Cluster Assembly and the Origin of Early-type Members*”

Harvard-Smithsonian Center for Astrophysics, October 2005

“*The Descendants of Butcher-Oemler Galaxies at $z \sim 0.6$* ”

Physics Department, University of Durham, UK, February 2005

“Infall, the Butcher-Oemler Effect, and the Descendants of Blue Cluster Galaxies”

Max Planck Institut für Astronomie, Heidelberg, Germany, December 2004

“Post-starburst Galaxies in Intermediate Redshift Clusters”

Physics Department, UC Davis, May 2004

“Linking Star-forming Galaxies to Passive Systems: The E+A Connection”

Astronomy Department, UC Berkeley, May 2004

“Emission Line Galaxies at 9200Å”

Institute for Astronomy, University of Basel, Switzerland, January 2004

“The Nature of E+A Galaxies in Intermediate Redshift Clusters”

Carnegie Observatories, Pasadena, December 2003

“E+A Galaxies in Intermediate Redshift Clusters”

Leiden Observatory, The Netherlands, June 2003

CONFERENCE TALKS (23)

“A Keck Spectroscopic Survey of a Galaxy Cluster at $z = 1.62$ ”

Feeding, Feedback, & Fireworks conference, Australian Astronomical Observatory, June 2013

“Galaxy Clusters in the Distant Universe”

Keck Science Workshop, Swinburne University, March 2012

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”

(Invited Plenary Speaker)

Annual Meeting of the American Astronomical Society, Austin, Texas, January 2012

“Star Formation in Galaxy Clusters Over the Past 10 Billion Years”

Galaxy Formation Conference, Durham University, July 2011

“Environmental Drivers of Galaxy Evolution” **(Invited Speaker)**

Pioneering into the Extragalactic Frontier with the GMT, Texas A&M, March 2011

“Astronomy, Visualization, & Education”

VizPhys Meeting (Visualization and the Sciences), Cooks Branch, Texas A&M, March 2011

“Galaxies Research at Texas A&M”

Building Astronomy in Texas Workshop, UT Austin, October 2010

“Galaxy Evolution and Environment” **(Invited Speaker)**

Annual Science Meeting, Astronomical Society of Australia, Hobart, July 2010

“Why Does Environment Matter?” **(Invited Speaker)**

Texas Cosmology Network Meeting, Texas Cosmology Center, Austin, October 2009

“The Observable Universe” **(Invited Speaker)**

Texas American Physical Society Meeting, San Marcos, October 2009

“The Importance of AGN in an Assembling Galaxy Cluster”

“Galaxy Metabolism,” Sydney, Australia (Southern Cross Observatory), June 2009

“The Importance of AGN in an Assembling Galaxy Cluster”,

contributed talk and **Invited Panel Member**,

“The Monster’s Fiery Breath,” Madison, WI (University of Wisconsin), June 2009

“Why Does Environment Matter?” **(Invited Speaker)**

“Galaxy Evolution & Environment,” Kuala Lumpur, Malaysia, March 2009

“Galaxy Clusters, Groups, & Large-Scale Structure”,

HETDEX Science Meeting, Austin, February 2009

“The Great Observatories: New Windows into the Universe” **(Invited Speaker)**

Texas American Physical Society Meeting, College Station, October 2007

“Galaxy-Galaxy Merging in Groups Prior to Cluster Assembly at $z = 0.37$ ”
“A New Zeal for Old Galaxies,” Rotorua, New Zealand, March 2007

“The Origin of Early-type Galaxies in Rich Clusters”
“Distant Clusters of Galaxies,” Ringberg Castle, October 2005

“Galaxy Cluster Assembly and the Origin of Early-types in Clusters”
Mini-workshop on Structure Formation, University of Zürich, October 2005

“Lyman- α Emitters at $z \sim 6.5$: Results from the VLT & JCMT”
“Reionizing the Universe,” Groningen, June 2005

“E+A Galaxies at Intermediate Redshifts”
Swinburne Conference on “Environments of Galaxies,” Crete, August 2004

“Post-starburst Galaxies at Intermediate Redshifts”
IAU Symposium 195, Torino, Italy, March 2004

“Characterizing the Physical Properties of Cluster Galaxies at $z = 0.33$ ”
Aspen Conference, Colorado, January 2001

“Using HST Imaging and Keck Spectroscopy to Characterize the Evolution of Galaxies in Two Intermediate Redshift Clusters ($z=0.33, 0.83$)”
Victoria Cosmology Conference, Canada, August 2000

PUBLIC TALKS (15; INVITED)

“A New Window into the Universe: From Cosmic Dawn to Today”

Giant Magellan Telescope Third Mirror Casting, University of Arizona, August 2013

“The Great Observatories: New Windows into the Universe”

Vietnamese Student Association, Texas A&M, February 2013

“The Great Observatories: New Windows into the Universe”

Keynote Speaker, Texas Junior Sciences & Humanities Symposium, TAMU, TX, January 2013

“The Great Observatories: New Windows into the Universe”

Brazos Valley Astronomy Club, College Station, TX, June 2012

Keynote Speaker, Vinh Quy Day (Graduation Ceremony)

Vietnamese Civic Center, Houston, Texas, 12 June 2011

“Seeing to the Far Reaches of the Universe”

President’s Council, Texas A&M, September 2010

“The Great Observatories: New Windows into the Universe”

Allison-Levick Lecture, Questacon, Canberra, Australia, July 2010

“How to Form the Most Massive Galaxies in the Universe”

Astronomical Society of New South Wales, Australia, July 2010

“How to Form the Most Massive Galaxies in the Universe”

Saturday Morning Physics, Texas A&M University, February 2010

“The Great Observatories: New Windows into the Universe”

Aspen High School, Aspen, CO, February 2010

“The Great Observatories: New Windows into the Universe”

Blinn College, Brenham, TX, October 2009

“The Great Observatories: New Windows into the Universe”

Brazos Valley Astronomy Club, College Station, TX, August 2009

“The Great Observatories: New Windows into the Universe”

Texas A&M University Observatory Open Night, May 2009

“The Great Observatories: New Windows into the Universe”

Dallas Museum of Nature & Science, International Year of Astronomy, May 2009

“The Observable Universe”

Keynote Speaker, University of Zürich, 175th Anniversary Jubiläum, April 2008