



Thorsten Lisker, Lecturer

Zentrum für Astronomie
der Universität Heidelberg (ZAH)

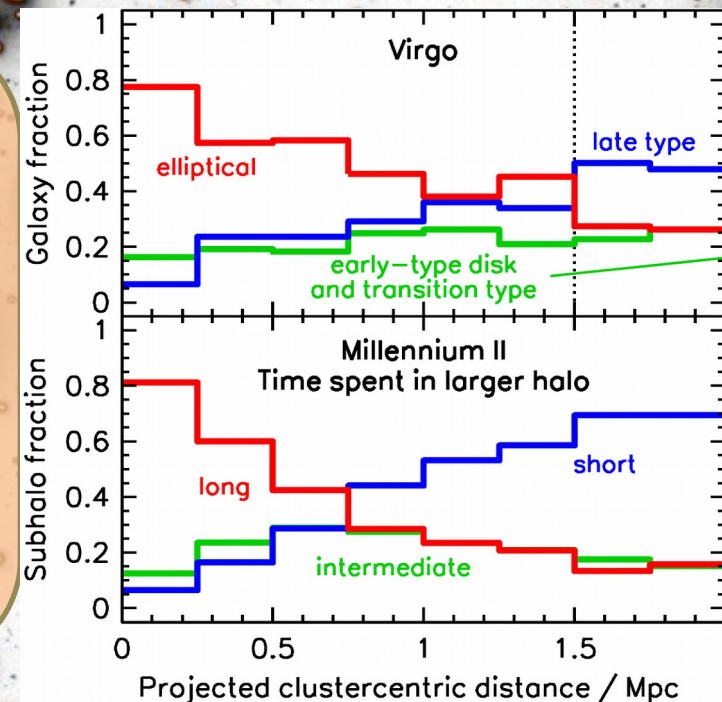
www.dwarfgalaxies.net

„How to discriminate between cluster galaxy properties imprinted at birth and resulting from environmental transformation“

Talk on Tuesday 5:15 pm

Scientific Focus and Methods:

- The structure, stel.pops, dynamics of today's cluster dwarf galaxies have been shaped....in that same cluster? Elsewhere? When? How? Why?
- Compare observations to sims/models
- Focus: better with chocolate
- Method: eat it quickly!



Yen-Ting Lin 林彥廷



- associate research fellow at Institute of Astronomy & Astrophysics, Academia Sinica (ASIAA) in Taipei, Taiwan
- interested in
 - BCG+ICL
 - cluster galaxy evolution
 - radio galaxies
 - galaxy-halo connection (assembly bias, SHAM, etc)
 - application of machine learning
- will talk about cluster galaxy evolution from Subaru Hyper Suprime-Cam (HSC) survey





Ryan Leaman, Postdoc

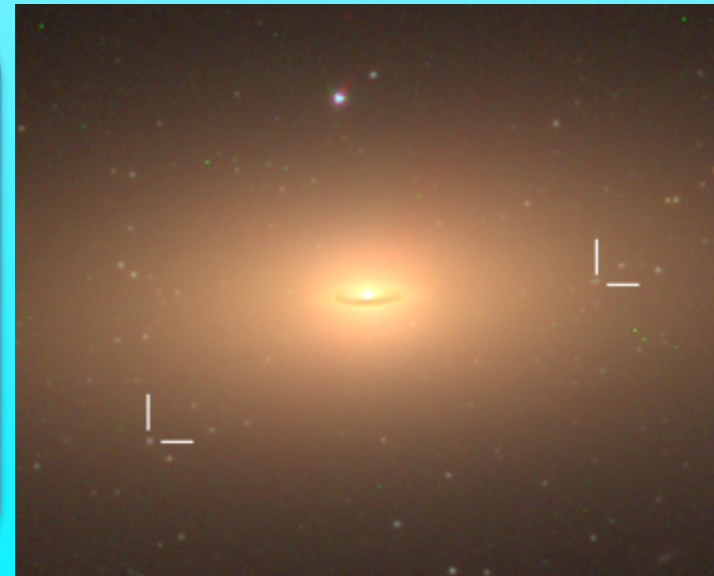
Max-Planck-Institut für Astronomie (MPIA)

leaman@mpia.de

Talk Title: The Survival of a Relic Galaxy in the Centre of Perseus

Scientific Interests:

- GC-host galaxy co-evolution
- Galaxy accretion histories
- Dwarf galaxy chemodynamical evolution
- Local Group + SAMs





Claudia Lagos

ICRAR

Talk Title:

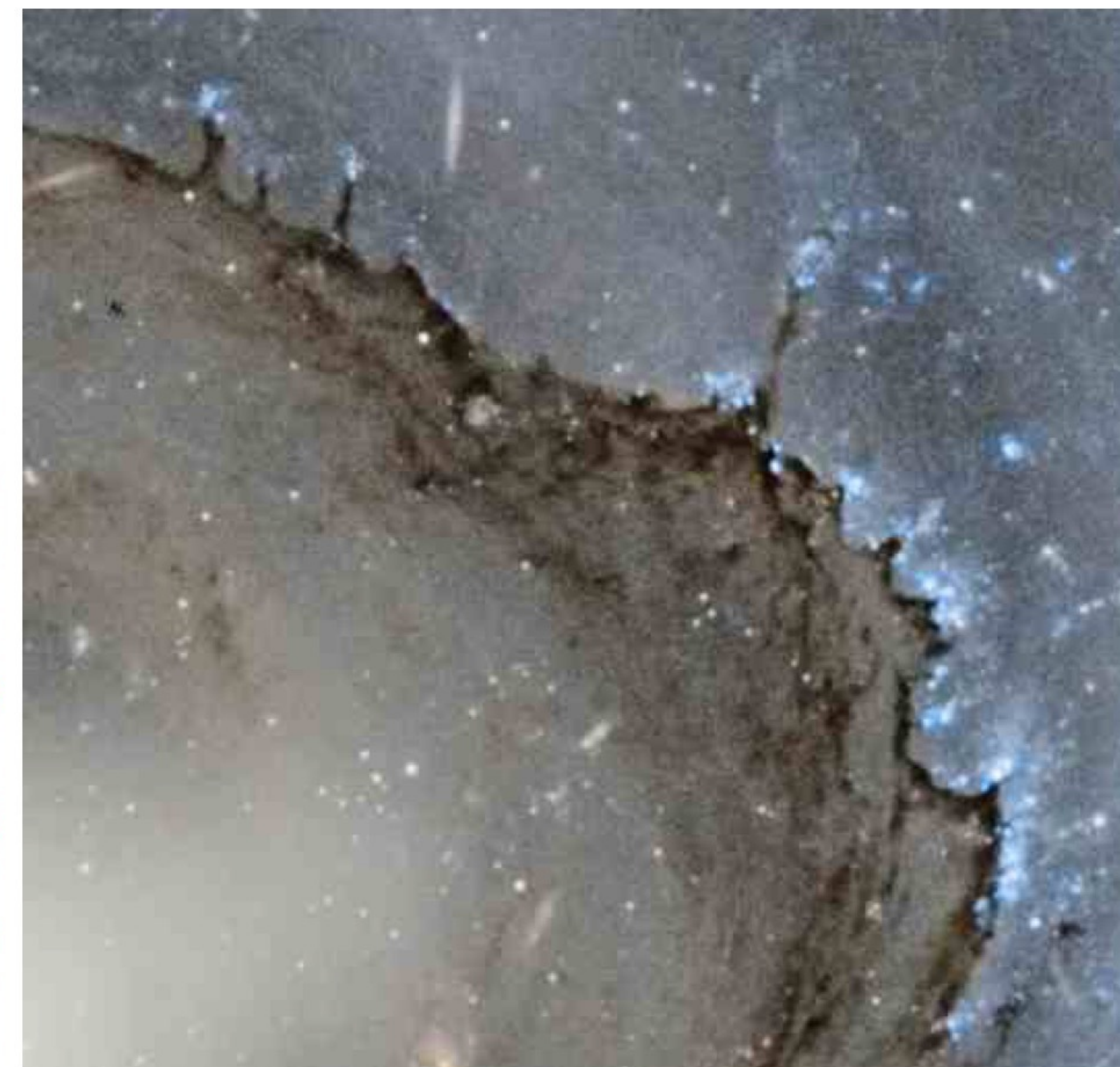
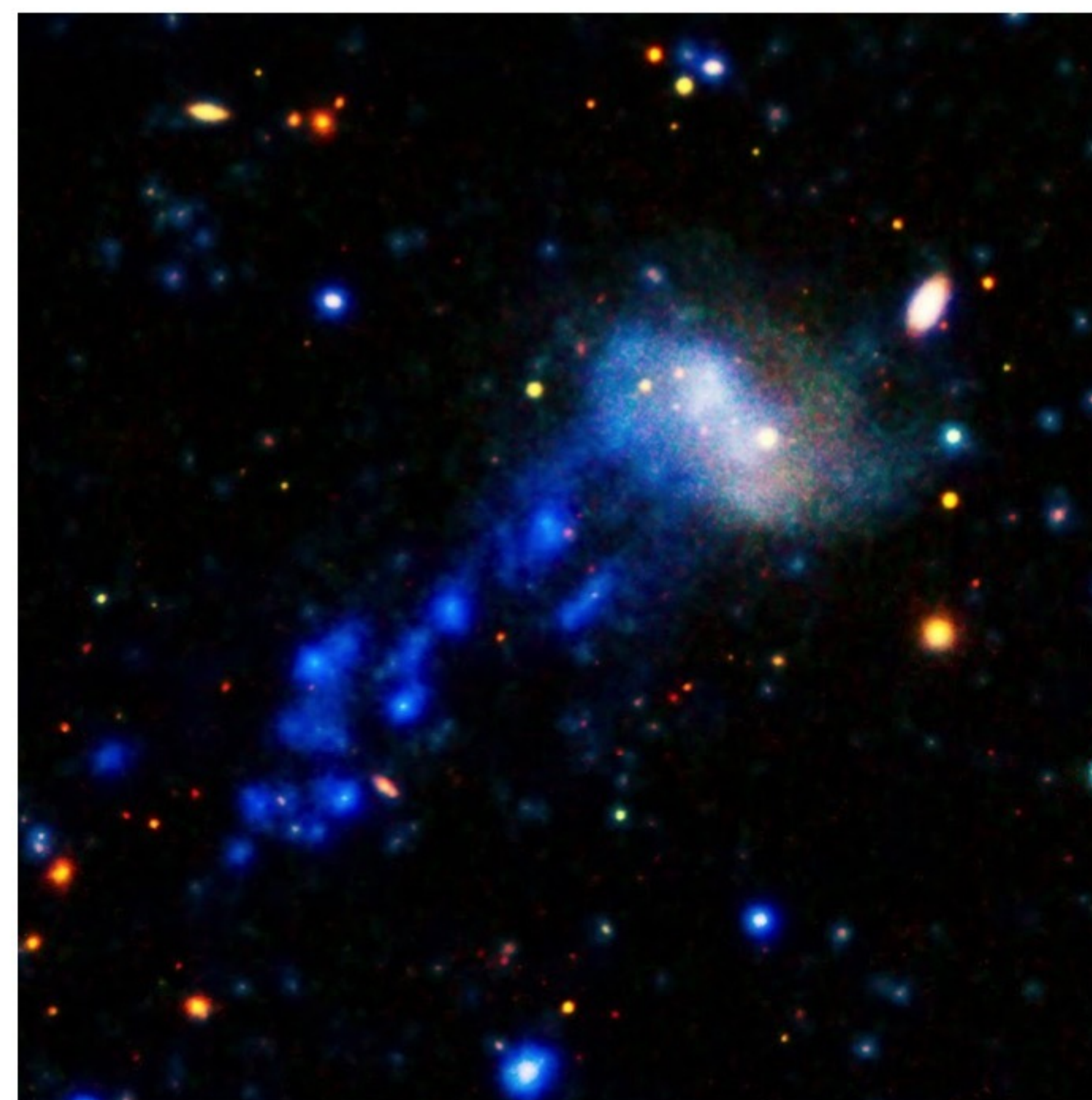
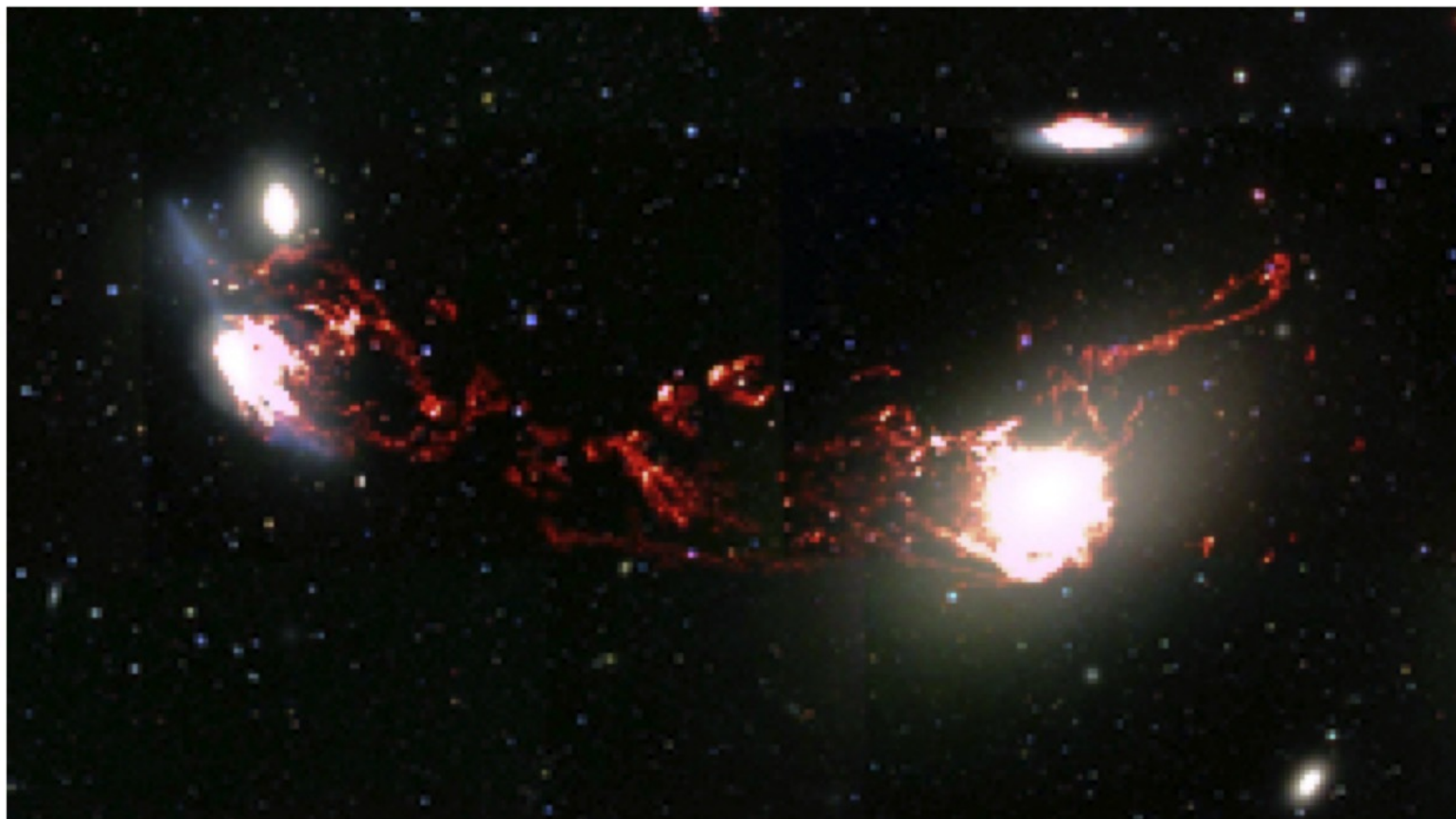
The connection between mass, environment and slow rotation
in simulated galaxies

Prof. Jeff Kenney Yale University USA

Galaxies: Radio & Optical observer



Environmental effects on cluster galaxies
Structure & evolution of nearby galaxies
Gas in galaxy centers – starbursts & black holes





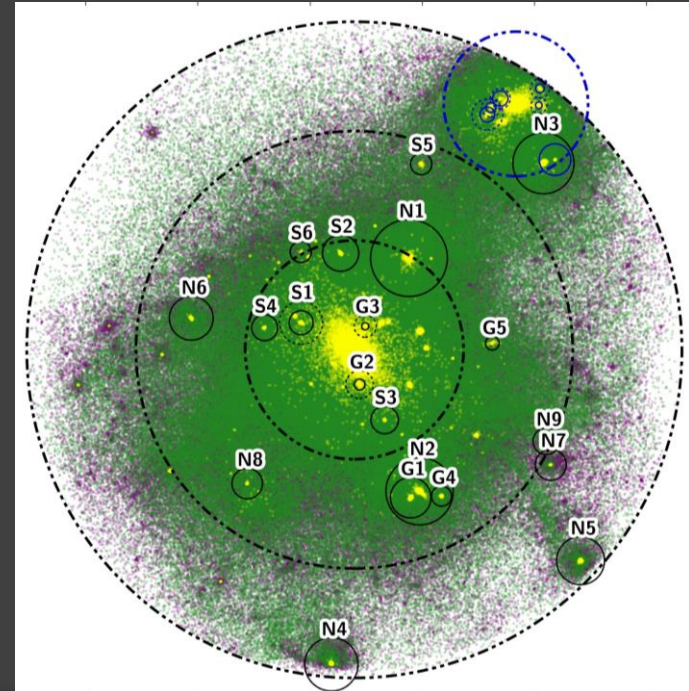
Gandhali Joshi

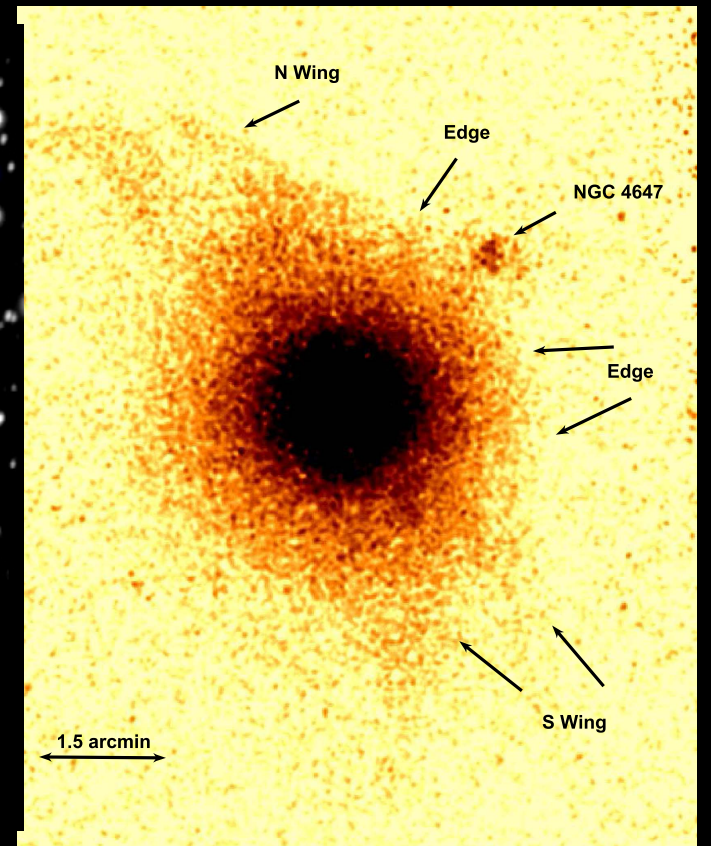
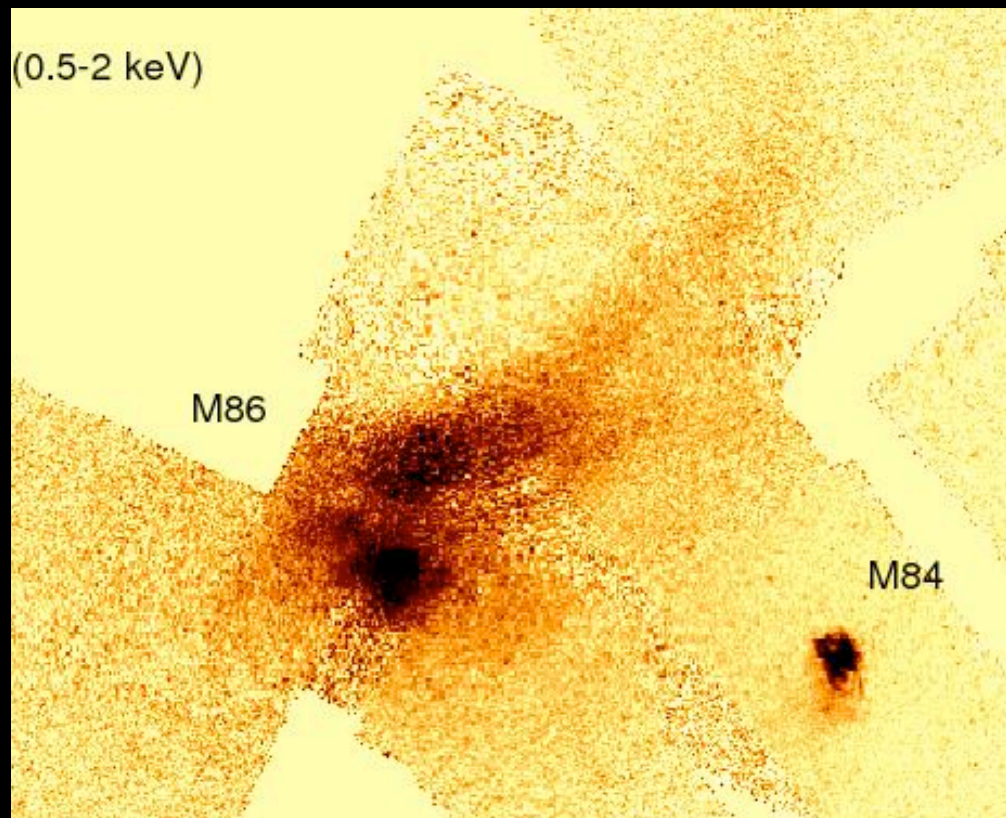
Postdoc, Max Planck Institute for Astronomy (MPIA)
joshi@mpia-hd.mpg.de

Talk title: Mass Loss and Preprocessing of Group Galaxies

Research interests and methods:

- Galaxy evolution in groups and clusters
- The role of preprocessing in determining mass loss and final galaxy properties
- Zoom-in simulation of galaxy group





The infall of galaxies into clusters - the formation of long and short hot gas tails

Christine Jones , William Forman, Eugene Churazov,
Yuanyuan Su, Ralph Kraft, Ming Sun, Scott Randall, Paul
Nulsen, John Zuhone, Elke Roediger

Christine Jones
Senior Astrophysicist, Smithsonian Astrophysical Observatory, CfA
President, American Astronomical Society





Pavel Jáchym

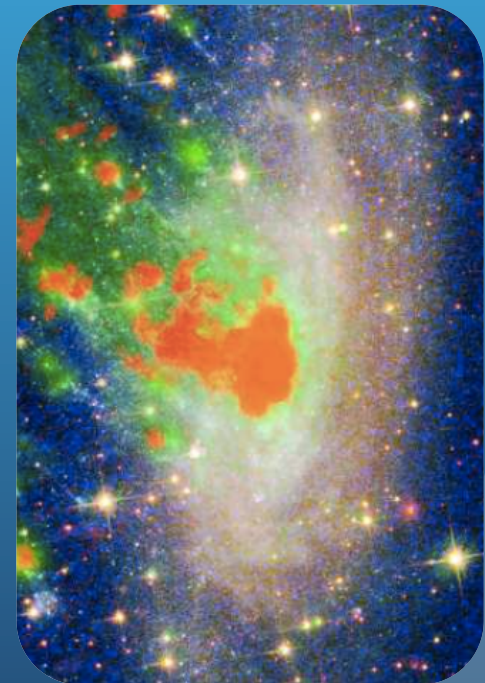
Czech Academy of Sciences (CAS), Prague

jachym@ig.cas.cz

Talk: Molecular Gas in Ram Pressure Stripped Tails

Scientific focus and methods:

- Ram pressure stripping and evolution of galaxies in clusters
- Optically dark clouds in clusters
- Effects of AGN feedback on star formation
- Millimeter observations
- Numerical simulations
- EU ARC – Czech node





Bruno Henriques

ETH Zurich

Talk Title:

The link between AGN and environmental quenching



Oleg Gnedin

Associate Professor
University of Michigan, USA

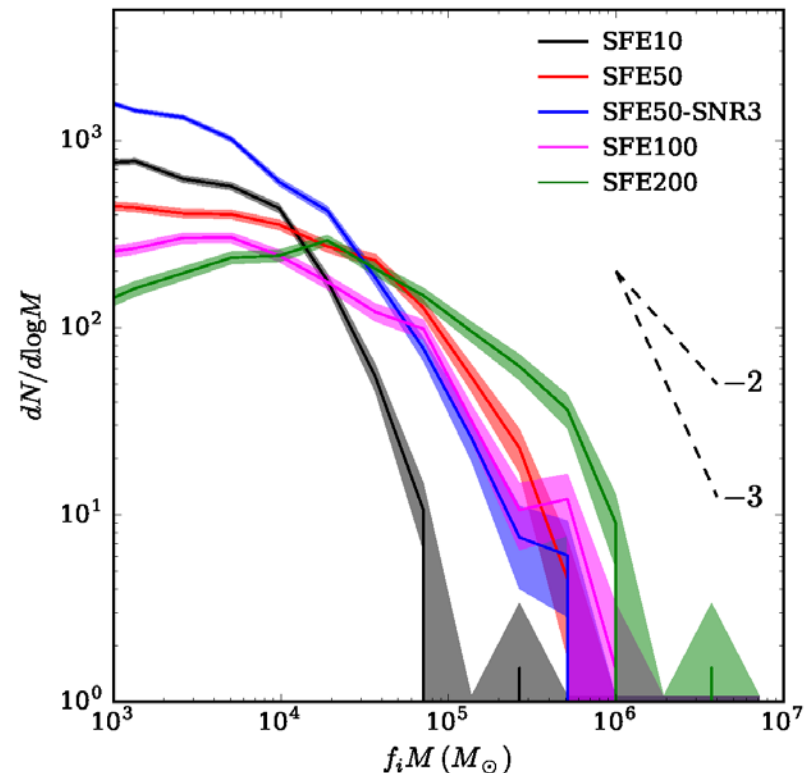
Talk title:

On the origin of the correlation between halo mass
and its globular cluster system mass

Research interests:

Simulations of galaxy formation
Formation of massive star clusters
Origin of globular clusters

Plot: direct modeling of star clusters in
cosmological simulations allows new tests of
the implementation of star formation





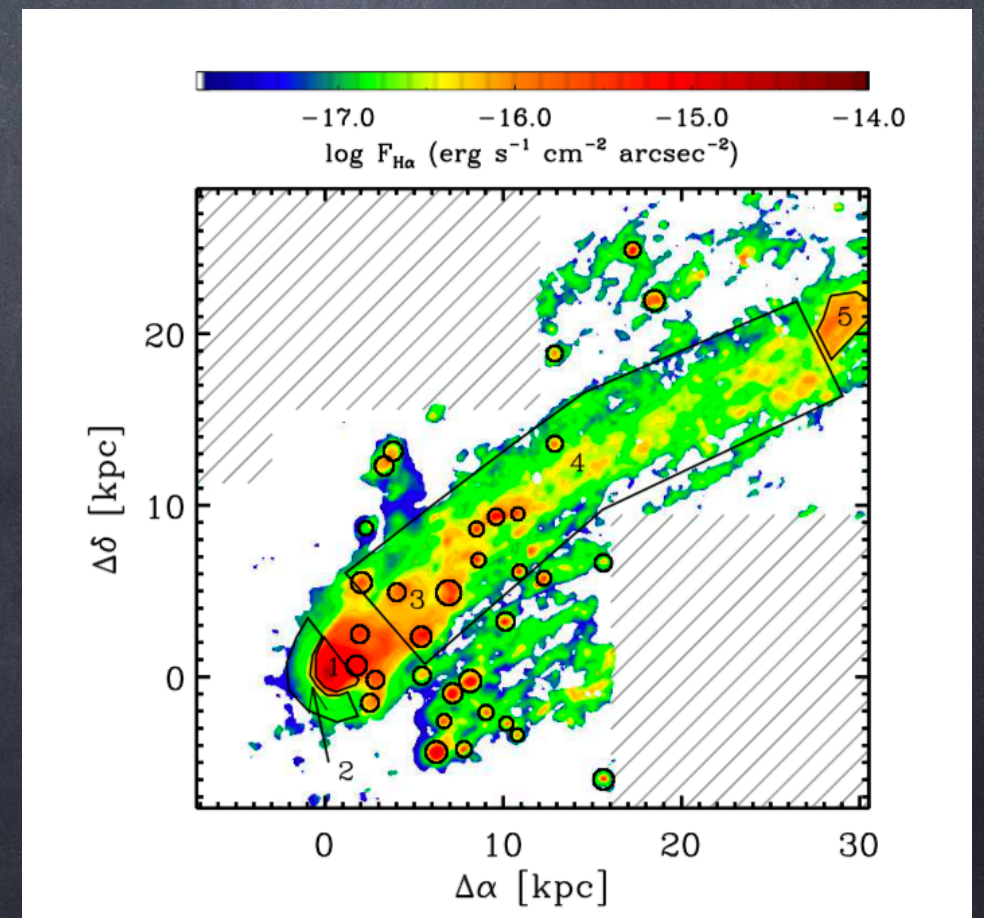
Matteo Fossati, Postdoc
Max Planck Institut für
Extraterrestrische Physik (MPE)
mfossati@mpe.mpg.de

Talk Title: A spatially resolved view of gas stripping processes
in nearby clusters

Scientific focus and methods:

Gas kinematics and ionization conditions
Stellar populations in dense environments
Environmental quenching

3D spectroscopy
Statistical studies of high- z samples





Bill Forman

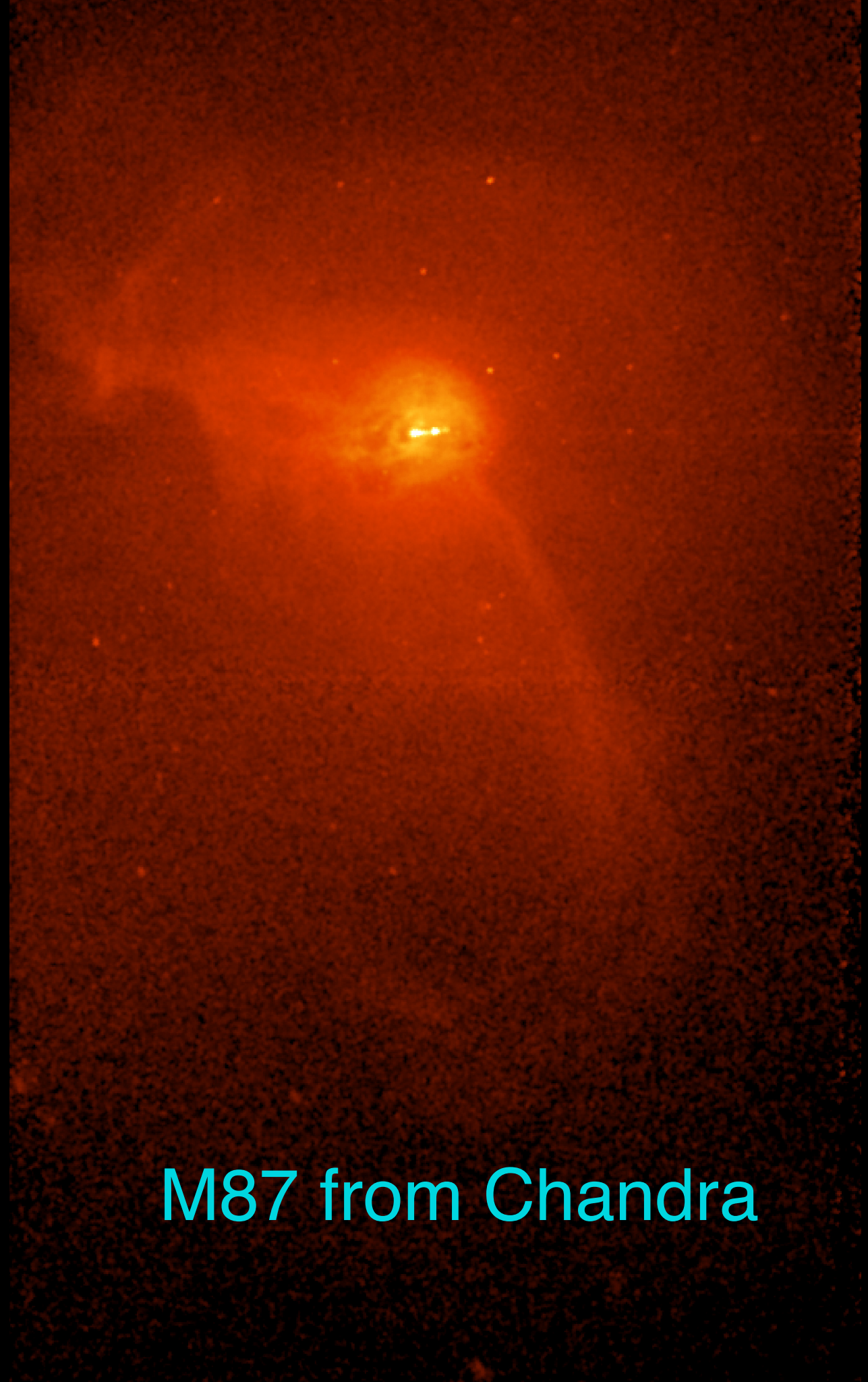
Director

High Energy Astrophysics Division

Senior Astrophysicist

Smithsonian Astrophysical Observatory

CfA Cambridge, MA



M87 from Chandra



Christoph Engler, Research Assistant

Astronomisches Rechen-Zentrum, Zentrum für
Astronomie der Universität Heidelberg (ARI/ZAH)

christoph@dwarfgalaxies.net

Talk Title: **Intrinsic Scatter of the Mass-Metallicity
Relation in Illustris Dwarfs**

Scientific Focus and Methods:

- Dwarf galaxies in clusters
- Analysis of low-mass galaxies in the Illustris simulation
- Linking a cluster's assembly history to galaxy properties



Eric Emsellem, Faculty

European Southern Observatory (ESO)
& CRAL – Obs Lyon

eric.emsellem@eso.org

Talk Title: Is prolateness the (dominant) rule for BCGs?

Scientific Focus and Methods

- Analytic models and hydro simulations
- Mostly IFU (e.g., MUSE, MaNGA) obs
- From dwarf to massive galaxies
- Star formation vs dynamics
- Stellar clusters and nuclei





Martina Donnari, Postdoc

Max Planck Institute for Astronomy

donnari@mpia-hd.mpg.de

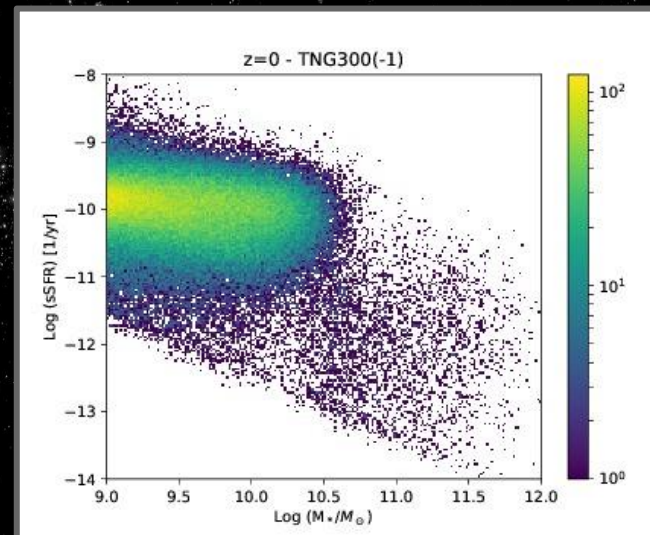
Talk title (flash talk): *The effects of environment on the star formation activity of galaxies with the IllustrisTNG simulation*

Scientific focus

- ★ Star formation rate in different environments

Method

- ★ Cosmological simulation: IllustrisTNG





Luca Cortese, Staff

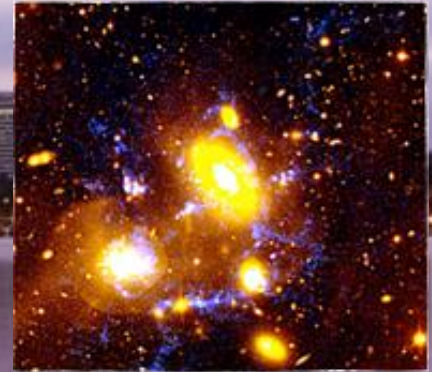
International Centre for Radio Astronomy Research
University of Western Australia

luca.cortese@uwa.edu.au

Talk Title: **Cold gas stripping in galaxy groups**

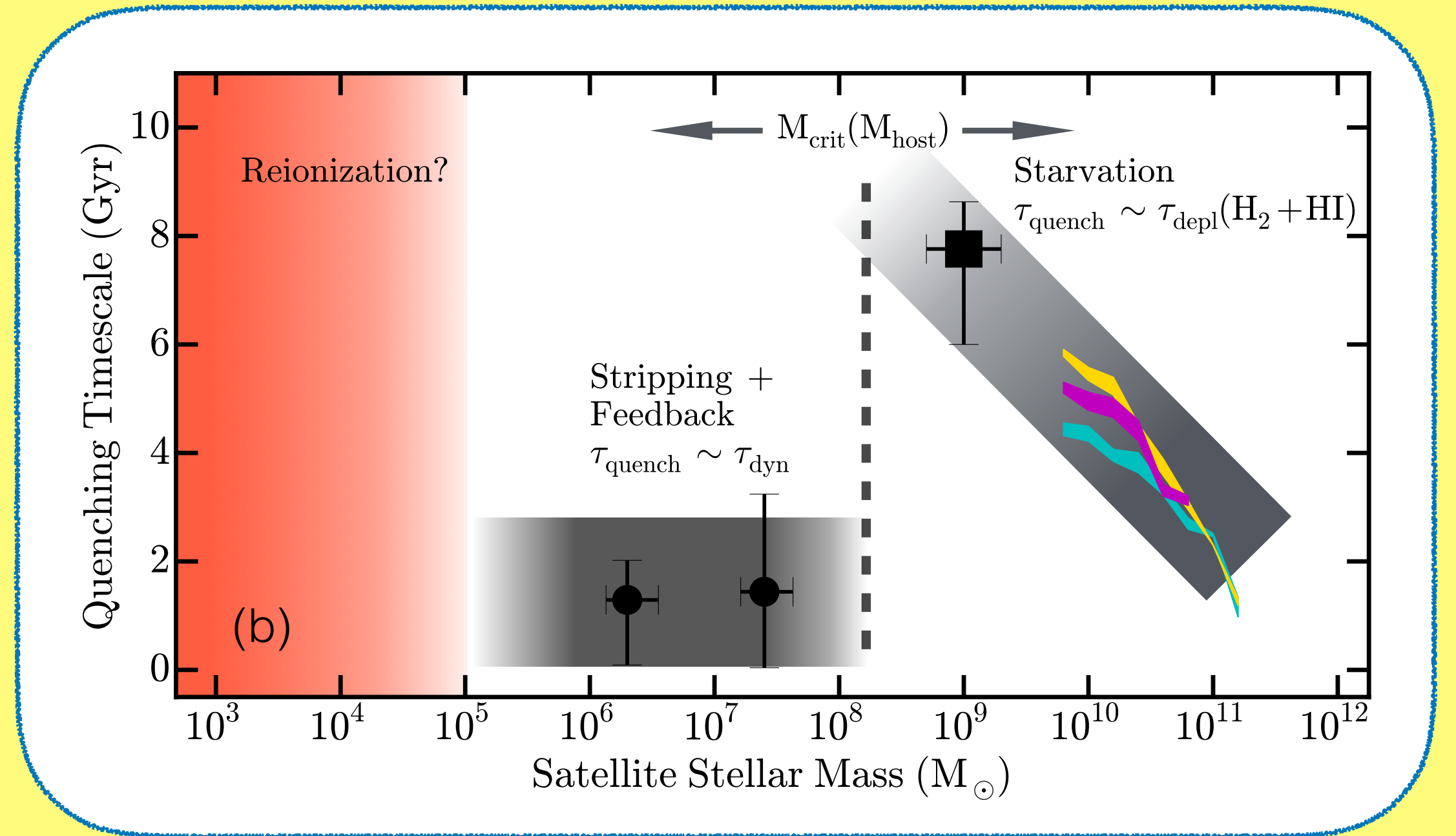
Scientific Focus and Methods:

- Gas/Star-formation cycle
- Quenching time-scales and stripping
- Morphological transformation
- Integral Field Spectroscopy (SAMI)
- HI and H₂ surveys (xGASS, ALFALFA)
- Panchromatic view of galaxies





Mike Cooper
Faculty @ UC Irvine



Talk Title — Project Purple Rain ♀: When Doves Cry, Satellites Quench



Some Scientific Foci:

- galaxy evolution $z < 3$
- the Local Volume
- the GOGREEN Survey
- PHIBSS2 Survey



Alessandro Boselli
Laboratoire d'Astrophysique de Marseille
alessandro.boselli@lam.fr

Talk Title: VESTIGE: A Virgo Environmental Survey Tracing Ionised Gas Emission

Scientific focus and methods:

Ionised gas emission in Virgo cluster galaxies as a tracer of ongoing perturbations

Multifrequency analysis of Virgo cluster galaxies



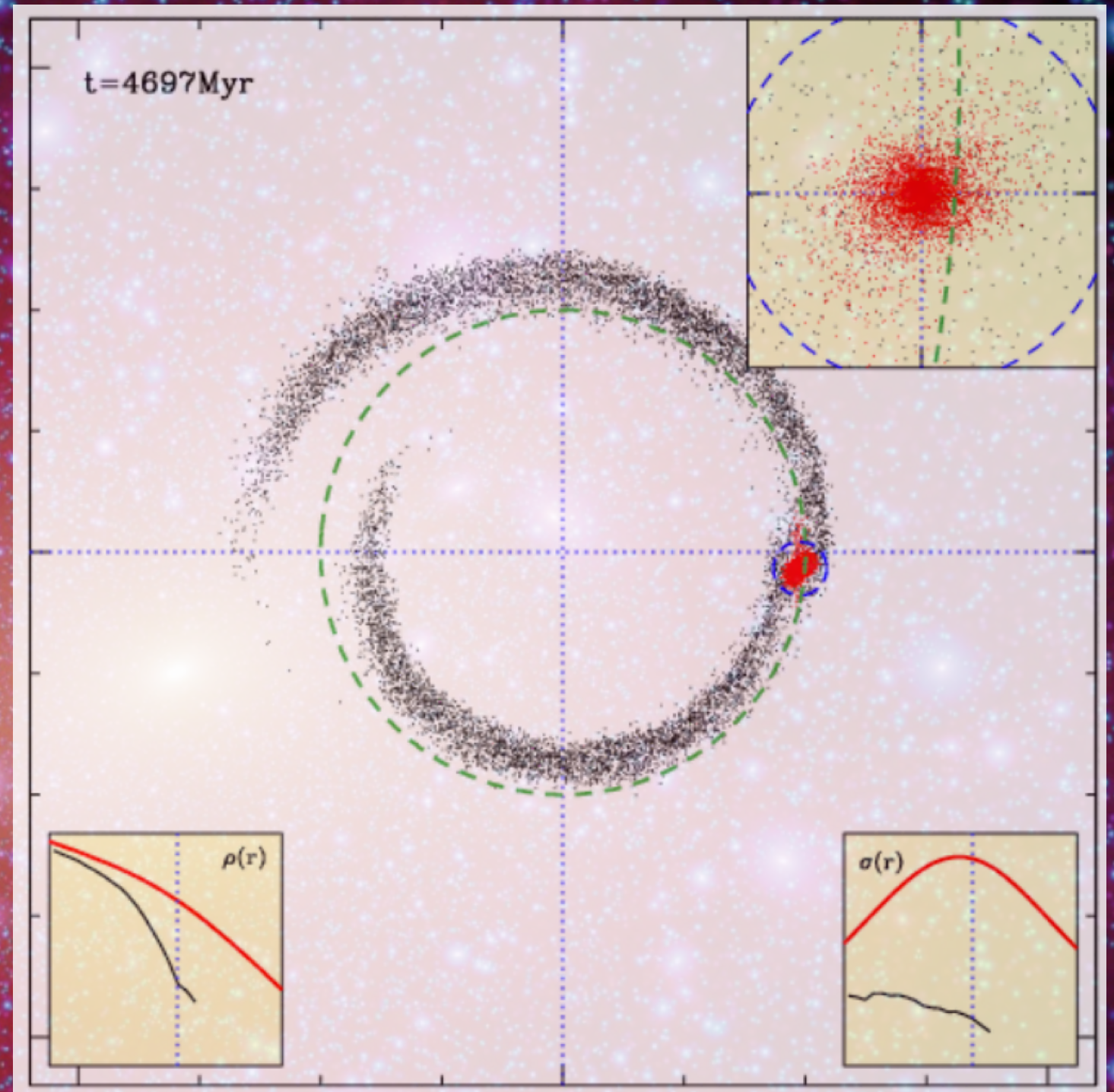
FRANK VAN DEN BOSCH
ASSOCIATE PROFESSOR
. YALE UNIVERSITY



Talk:
**The Tidal Evolution
of Substructure**

Research Focus:

- **Galaxy-Halo Connection**
- **Satellite Kinematics**
- **Galaxy Quenching**
- **Dark Matter Substructure**





Bahar Bidaran

**Zentrum für Astronomie der Universität Heidelberg
(ZAH)**

Bahar@dwarfgalaxies.net

***Talk Title: Dwarf progenitors- what we can learn
from circular velocity profiles?***

Scientific Focus and Methods:

**Environmental effects on dwarf and late type galaxies.
Big data processing**





Yannick Bahé, Postdoc



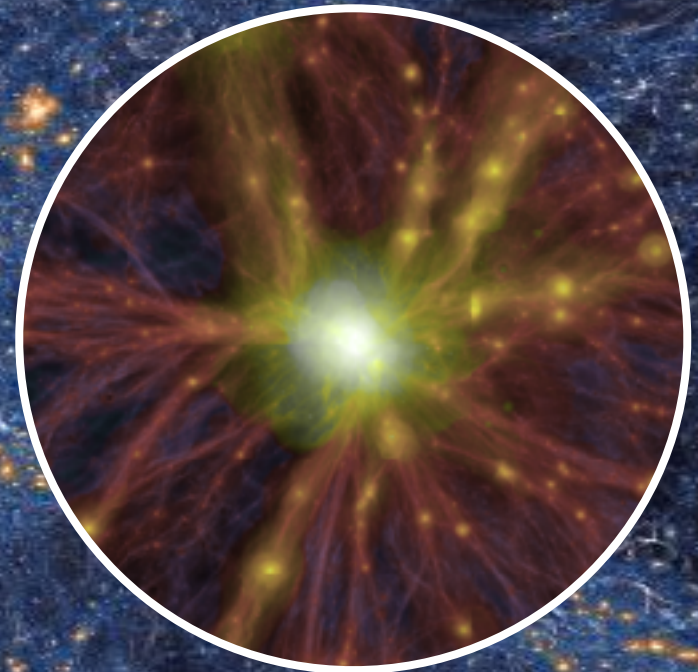
Sterrewacht Leiden (The Netherlands)

bahe@strw.leidenuniv.nl

Talk Title (Friday): **Metallicity, quenching, and stellar mass fractions in cluster galaxies: the EAGLE view**

Scientific Focus and Methods:

- Formation of **galaxies** in/around groups and clusters
- Cosmological hydro **simulations**
- **Comparison** to observations and qualitative **understanding** of what's going on



Mike Anderson
postdoctoral fellow
MPA Garching

michevan@mpa-garching.mpg.de



“Multiphase gas in a sightline towards a filament in M87”

Research interests:

- Galaxy formation; circumgalactic medium; AGN and stellar feedback
- Intracluster medium; cooling flows; filaments in galaxy clusters
- Missing baryons; metal enrichment history of the Universe

Let the Party* Begin!

*Party = Talks, reviews, splinter sessions, discussion panels, etc**.

**etc=Food, Wine and Beer!