

Contents

The Dawn of Galaxies	
<i>P. Madau</i>	1
The Cosmic Infrared Background (CIRB)	
and the Role of the “Local Environment of Galaxies”	
in the Origin of Present-Day Stars	
<i>D. Elbaz, D. Marcillac, E. Moy</i>	12
High Redshift Lyman Break Galaxies	
<i>M.D. Lehnert, M.N. Bremer</i>	18
Subaru Surveys for High-z Galaxies	
<i>Y. Taniguchi</i>	26
The First 1–2 Gyrs of Galaxy Formation:	
Dropout Galaxies from $z \sim 3 - 6$	
<i>G. Illingworth, R. Bouwens</i>	32
The Phoenix Deep Survey: Evolution of Star Forming Galaxies	
<i>A.M. Hopkins, J. Afonso, A. Georgakakis, M. Sullivan, B. Mobasher,</i>	
<i>L.E. Cram</i>	38
A Study of Distant Lyα Emitters in Overdense Regions	
<i>B.P. Venemans, H.J.A. Röttgering, G.K. Miley</i>	44
Clustering and Proto-Clusters in the Early Universe	
<i>H. Röttgering, C. De Breuck, E. Daddi, J. Kurk, G. Miley, L. Pentericci,</i>	
<i>R. Overzier, B. Venemans</i>	50
Fact: Many SCUBA Galaxies Harbour AGNs	
<i>D.M. Alexander, F.E. Bauer, S.C. Chapman, I. Smail, A.W. Blain,</i>	
<i>W.N. Brandt, R.J. Ivison</i>	58
Evolution of X-Ray Selected AGN	
<i>G. Hasinger</i>	68
Obscuration and Circumnuclear Medium	
in Nearby and Distant AGN	
<i>R. Maiolino</i>	76

Multiwavelength Observations of the Subaru/XMM-Newton Deep Field	
<i>K. Sekiguchi, M. Akiyama, H. Furusawa, C. Simpson, T. Takata, Y. Ueda, M.W. Watson, and the SXDS Team</i>	82
Probing the High Redshift Universe with Extreme X-Ray / Optical Sources (EXOs)	
<i>A.M. Koekemoer, D.M. Alexander, F.E. Bauer, J. Bergeron, W.N. Brandt, E. Chatzichristou, S. Cristiani, S.M. Fall, N. Grogin, M. Livio, V. Mainieri, L. Moustakas, P. Rosati, E.J. Schreier, C.M. Urry</i>	88
Clustering of Submillimetre-Selected Galaxies	
<i>A.W. Blain, S.C. Chapman, I. Smail, R. Ivison</i>	94
Star Formation and AGN in the Early Universe: Quasars in the MAMBO Deep Field Survey	
<i>F. Bertoldi, C.L. Carilli, H. Voss, F. Owen, D. Lutz, H. Dannerbauer, K.M. Menten, M.A. Holdaway</i>	100
The CDF-S Viewed with SIMBA	
<i>T. Wiklind, S. Bergström, G. Rydbeck, F. Barrientos, D. de Mello, L. Infante, K.I. Kellerman, C. Norman, P. Rosati</i>	106
Submillimeter Galaxies as Tracers of Mass Assembly at Large M	
<i>R. Genzel, A.J. Baker, R.J. Ivison, F. Bertoldi, A.W. Blain, S.C. Chapman, P. Cox, R.I. Davies, F. Eisenhauer, D.T. Frayer, T. Greve, M.D. Lehnert, D. Lutz, N. Nesvadba, R. Neri, A. Omont, S. Seitz, I. Smail, L.J. Tacconi, M. Tecza, N.A. Thatte, R. Bender</i>	112
A Spectroscopic Survey of the Submillimeter Galaxy Population: 85 Redshifts Using Keck/LRIS-B	
<i>Scott C. Chapman, Andrew Blain, Rob Ivison, Ian Smail</i>	119
Extremely Red Galaxies: Dust Attenuation and Classification	
<i>D. Pierini, C. Maraston, R. Bender, A.N. Witt</i>	125
Modeling the Multi-Wavelength Universe: The Assembly of Massive Galaxies	
<i>R.S. Somerville</i>	131
The Size Evolution of High-Redshift Galaxies	
<i>H.C. Ferguson, S. Ravindranath, and the GOODS Team</i>	139
High-Redshift QSOs in the GOODS	
<i>S. Cristiani, D.M. Alexander, F. Bauer, W.N. Brandt, E.T. Chatzichristou, F. Fontanot, A. Grazian, A. Koekemoer, R.A. Lucas, J. Mao, P. Monaco, M. Nonino, P. Padovani, D. Stern, P. Tozzi, E. Treister, C.M. Urry, E. Vanzella</i>	145

Constraining the Evolutionary Mass Function and Star-Formation Activity in Galaxies from the Spitzer Wide-Area Infrared Extragalactic Survey (SWIRE)	
<i>A. Franceschini, C. Lonsdale, S. Berta, G. Rodighiero, and the SWIRE Co-Investigator Team</i>	151
The European Large Area ISO Survey: A Pathfinder for SIRTF	
<i>S. Oliver</i>	157
Properties of Spiral and Elliptical Galaxy Progenitors at $z > 1$	
<i>C.J. Conselice</i>	163
Star-Forming Galaxies in the ‘Redshift Desert’	
<i>C. Steidel, A. Shapley, M. Pettini, K. Adelberger, D. Erb, N. Reddy, M. Hunt</i>	169
The Deepest Near-Infrared View of the Universe	
<i>I. Labb��, M. Franx, G. Rudnick, N. F��rster Schreiber, E. Daddi, P. van Dokkum, K. Kuijken, A. Moorwood, H.-W. Rix, H. Rottgering, L. van Starkenburg, I. Trujillo, A. van der Wel, P. van der Werf</i>	179
Galaxy Evolution in Mass-Selected Samples	
<i>A. Fontana</i>	185
A Multiwavelength Survey of Luminous Compact Blue Galaxies from $z=3$ to $z=0$	
<i>R. Guzm��n</i>	191
The Galaxy Evolution Explorer – Early Data	
<i>C. Martin and the GALEX Team</i>	197
Science with the <i>Galaxy Evolution Explorer</i>: Starbursts and Stellar Populations	
<i>R.M. Rich</i>	203
Mid-Ultraviolet Spectral Diagnostics of Galaxy Evolution	
<i>S.R. Heap, T. Lanz</i>	210
Multiwavelength Surveys within the DEEP Fields	
<i>D.C. Koo and DEEP Team</i>	216

The VVDS: Early Results on the Large Scale Structure Distribution of Galaxies out to $z \sim 1.5$	
<i>O. Le Fèvre, G. Vettolani, D. Maccagni, J.P. Picat, C. Adami, M. Arnaboldi, S. Arnouts, S. Bardelli, M. Bolzonella, M. Bondi, D. Bottini, G. Busarello, A. Cappi, P. Ciliegi, T. Contini, S. Charlot, S. Foucaud, P. Franzetti, B. Garilli, I. Gavignaud, L. Guzzo, O. Ilbert, A. Iovino, V. Le Brun, B. Marano, C. Marinoni, H.J. McCracken, G. Mathez, A. Mazure, Y. Mellier, B. Meneux, P. Merluzzi, R. Merighi, S. Paltani, R. Pellò, A. Pollo, L. Pozzetti, M. Radovich, D. Rizzo, R. Scaramella, M. Scoglio, L. Tresse, G. Zamorani, A. Zanichelli, E. Zucca</i>	222
Directly Detecting the Evolution of Early-Type Galaxies	
<i>S.C. Trager, S.M. Faber, A. Dressler</i>	230
The Near-Infrared View of Galaxy Evolution	
<i>A. Cimatti</i>	237
Rapid Growth of Massive Galaxies: A Paradox for Hierarchical Formation Models	
<i>H.-W. Chen, D. Crampton, and the LCIRS & GDDS Teams</i>	243
The MUNICS Project: Galaxy Assembly at $0 < z < 1$	
<i>N. Drory, R. Bender, G. Feulner, G.J. Hill, U. Hopp, C. Maraston, J. Snigula</i>	251
Tracing the Formation of Massive Spheroids from High-z Galaxy Clustering	
<i>E. Daddi</i>	257
Galaxy Formation and Evolution since $z = 1$	
<i>F. Hammer, H. Flores, Y. Liang, X. Zheng, D. Elbaz, C. Cesarsky</i>	263
Characteristic Scales in Galaxy Formation	
<i>A. Dekel</i>	269
Galaxy Evolution in Three Dimensions: Time, Space and Mass	
<i>T. Kodama, R. Bower, P. Best, P. Hall, T. Yamada, M. Tanaka</i>	279
The Evolution of Evolved Galaxies	
<i>G. Gavazzi</i>	285
TP-AGB Stars to Date High-Redshift Galaxies with the Spitzer Space Telescope	
<i>C. Maraston</i>	290
The Epochs of Early-Type Galaxy Formation in Clusters and in the Field	
<i>D. Thomas, C. Maraston, R. Bender</i>	296

Spectroscopic Ages of Elliptical Galaxies – Subaru Observation	
<i>N. Arimoto, Y. Yamada, A. Vazdekis, R. Peletier</i>	302
Evolution and Environment of Early-Type Galaxies	
<i>M. Bernardi</i>	308
Local Redshift Surveys and Galaxy Evolution	
<i>R. De Propris, M. Colless, D. Croton</i>	314
Star-Forming Galaxies in the Sloan Digital Sky Survey – The View from Pittsburgh	
<i>R.E. Schulte-Ladbeck, C.J. Miller, U. Hopp, A. Hopkins, R.C. Nichol, W. Voges, T. Fang</i>	320
Exploring the Reionization Epoch with HST and JWST	
<i>S.M. Fall, M. Stiavelli, N. Panagia</i>	326
COSMOS 2\square° Survey	
<i>N. Scoville</i>	330
The UKIDSS Ultradeep Survey – Mapping the Early Stages of Galaxy Formation	
<i>O. Almaini</i>	337
Survey of Surveys: Past, Present & Future	
<i>M. Salvato, R. Bender, A. Renzini</i>	343
Radio Properties of EROs in the Phoenix Deep Survey	
<i>J. Afonso, A.M. Hopkins, M. Sullivan, B. Mobasher, A. Georgakakis, L.E. Cram</i>	347
Nuclei of Galaxy Bulges Through <i>HST</i> NIR Imaging	
<i>M. Balcells, A.W. Graham, R.F. Peletier</i>	349
The Bimodal Color-Magnitude Distribution of Galaxies from the SDSS	
<i>I.K. Baldry, K. Glazebrook</i>	351
Merging Clusters in the Core of Superclusters: A Multiwavelength View	
<i>S. Bardelli, E. Zucca, F. Gastaldello, F. Marini, S. Ettori, S. DeGrandi, T. Venturi, S. Giacintucci, S. Molendi</i>	353
Strange Hosts of Blue Compact Galaxies	
<i>N. Bergvall, T. Marquart, C. Persson, E. Zackrisson, G. Östlin</i>	355
Estimating the Stellar Masses in 30000 Galaxies with Redshifts Below 1.0	
<i>A. Borch, K. Meisenheimer, C. Wolf</i>	357

350μm Observations of Local IRAS Galaxies Using SHARC-II	
<i>C. Borys</i>	359
Beyond the Lick Indices: The High-Resolution Spectral Synthesis of Stellar Populations	
<i>A. Buzzoni, E. Bertone, L.H. Rodríguez-Merino, M. Chávez</i>	361
Constraining the Star Formation History with Photometric Redshifts	
<i>P. Capak, L.L. Cowie, E.M. Hu</i>	363
Morphology and Redshifts of Extremely Red Galaxies in the GOODS/CDFS Deep ISAAC Field	
<i>K.I. Caputi, J.S. Dunlop, R.J. McLure, N.D. Roche</i>	366
Stellar Populations of Compact Group Galaxies	
<i>P. Coelho, C. Mendes de Oliveira, J.J. González, N. Visvanathan, B. Barbuy</i>	368
Nested Bars with Different Pattern Speeds: NGC 2950	
<i>E.M. Corsini, V.P. Debattista, J.A.L. Aguerri</i>	370
Chemo-Photometric Models of Ring Galaxies	
<i>A. Curir, P. Mazzei</i>	372
Star Formation in High Redshift Radio Galaxies	
<i>C. De Breuck, M. Reuland</i>	374
The Nature of UV-Selected Galaxies in the CDFS	
<i>D.F. de Mello, J.P. Gardner, T. Dahlen, C.J. Conselice, N.A. Grogin, A.M. Koekemoer</i>	376
The Rest-Frame Optical Properties of Star-Forming Galaxies at $z \sim 2$	
<i>D.K. Erb, C.C. Steidel, A.E. Shapley, M. Pettini, K.L. Adelberger</i>	378
The Cosmic Evolution of Quasar Hosts	
<i>R. Falomo, J.K. Kotilainen, C. Pagani, R. Scarpa, A. Treves</i>	380
On the Dearth of Low-Luminosity, High-Redshift Quasars	
<i>F. Fontanot, P. Monaco, G. Taffoni, S. Cristiani, M. Nonino</i>	382
The Hα-Based Evolution of Star-Forming Galaxies from $z = 0.8$ to Now	
<i>J. Gallego, S. Pascual, J. Zamorano, R. Pelló, A. Aragón-Salamanca, P.G. Pérez-González, V. Villar, C. Díaz</i>	384
Multi-Wavelength Luminosity Functions of Galaxies	
<i>J.P. Gardner</i>	386

Linking Star Formation and Environment in Supercluster Galaxies	
<i>M. Gray, C. Wolf, K. Meisenheimer, A. Taylor, S. Dye, A. Borch, M. Kleinheinrich</i>	388
A 1200 μm MAMBO Survey of the ELAIS N2 and Lockman Hole East Fields	
<i>T.R. Greve, R.J. Ivison, F. Bertoldi, J.A. Stevens, S.C. Chapman, I. Smail, A.W. Blain</i>	390
Surface Density of Extremely Red Objects with R-J\geq5	
<i>A. Hempel, T.M. Herbst, D. Thompson</i>	392
The TOOT Survey: Typical Radio Sources at High Redshift	
<i>G.J. Hill, S. Rawlings</i>	395
Deep Submillimetre Imaging of Distant AGN: Visualising the Formation of Cluster Ellipticals	
<i>R. Ivison</i>	397
Quasar Host Galaxies of GEMS, First Results: 0.5<z<2.75	
<i>K. Jahnke, S.F. Sánchez, L. Wisotzki, M. Barden, S.V.W. Beckwith, E.F. Bell, A. Borch, J.A.R. Caldwell, B. Häufner, S. Jogee, D.H. McIntosh, K. Meisenheimer, C.Y. Peng, H.-W. Rix, R.S. Somerville, C. Wolf</i>	400
A Sample of Radio Galaxies Spanning Three Decades in Radio Luminosity – an Overview	
<i>M.J. Jarvis, R.J. McLure, C.J. Willott, S. Rawlings, G.J. Hill, E. Mitchell, J. Dunlop</i>	402
Probing the Redshift Desert with GOODS	
<i>C. Kretchmer, M. Dickinson, L. Moustakas, B. Mobasher, T. Dahlen, and GOODS Team</i>	404
A Search for Emission Line Galaxies at $z = 6.5$	
<i>J. Kurk, A. Cimatti, S. di Serego Alighieri, J. Vernet, E. Daddi</i>	406
Clues on Galaxy and Cluster Formation from Their Scaling Relations	
<i>B. Lanzoni, L. Ciotti, A. Cappi, G. Tormen, G. Zamorani</i>	408
Tracing the Evolution of Massive Galaxies up to $z \sim 3$	
<i>M. Longhetti, P. Saracco, S. Cristiani, A. Fontana, E. Giallongo, M. Nonino, E. Vanzella</i>	410

Morphological CAS Parameters of a Sample of Very Luminous Infrared Galaxies (VLIRGs) – Preliminary Results	
<i>R.A. Lucas, C. Conselice, S. Arribas, H. Bushouse, K.D. Borne, L. Colina</i>	412
Stellar Populations in Spiral Galaxies	
<i>L.A. MacArthur, S. Courteau, E.F. Bell, J. Holtzman</i>	414
Large Scale Structure in the Two Micron All Sky Survey	
<i>A.H. Maller, D.H. McIntosh, N. Katz, M.D. Weinberg</i>	416
Internal Kinematics of AGN Hosts	
<i>J. Masegosa, I. Márquez, F. Durret, and DEGAS Consortium</i>	418
Probing Galaxy Evolution via Interactions and Mergers in the IRAS Revised Bright Galaxy Sample	
<i>J.M. Mazzarella, D.B. Sanders, C.M. Ishida, J.B. Jensen, D.-C. Kim</i>	420
Multiwavelength Maps of Simulations of Galaxy Formation	
<i>P. Mazzei, A. Curir</i>	422
Multiwavelength Study of the NEPR Sample. The 60μm Luminosity Function	
<i>P. Mazzei, D. Bettoni, A. Della Valle, H. Aussel, G. De Zotti, A. Franceschini</i>	424
The Cosmological Evolution of Quasar Black-Hole Masses	
<i>R.J. McLure, J.S. Dunlop</i>	426
The Tully–Fisher Relation of Cluster Spirals at $z = 0.83$	
<i>B. Milvang-Jensen, A. Aragón-Salamanca</i>	428
Chemical Evolution of Bulges of Spiral Galaxies: Environmental and Morphological Influence	
<i>L. Morelli, E. Pompei, A. Pizzella, E. Corsini, F. Bertola</i>	430
Brightest Cluster Galaxy Formation in the Cluster C0037-2522: Flattening of the Dark Matter Cusp	
<i>C. Nipoti, M. Stiavelli, L. Ciotti, T. Treu, P. Rosati</i>	432
The FORS Deep Field Spectroscopic Survey of High-Redshift Galaxies	
<i>S. Noll, D. Mehrt, I. Appenzeller, C. Tapken</i>	434
The Tully-Fisher Relation for Compact Group Galaxies	
<i>C. Mendes de Oliveira, P. Amram, H. Plana, C. Balkowski</i>	436

Extended HI Structures Around Early-Type Galaxies: Relics of Their Formation?	
<i>T.A. Oosterloo, E.M. Sadler, R. Morganti, J.M. van der Hulst</i>	438
Analysing Galaxy Clustering in Future Surveys	
<i>W.J. Percival, L. Verde, J.A. Peacock</i>	440
The Relation Between Bulge Velocity Dispersion and Disk Circular Velocity in Galaxies	
<i>A. Pizzella, E. Dalla Bontà, E.M. Corsini, L. Coccato, F. Bertola</i>	442
The RASS-SDSS Galaxy Cluster Survey	
<i>P. Popesso, H. Böhringer, W. Voges</i>	444
Probing the Faint Radio Population Through Multi-Wavelength Information	
<i>I. Prandoni, P. Parma, M.H. Wieringa, L. Gregorini, H.R. de Ruiter, G. Vettolani, R.D. Ekers</i>	446
The VIRMOS U–Band Imaging Survey: The Deep and Wide Fields	
<i>M. Radovich, M. Arnaboldi, V. Ripepi, H.J. McCracken, Y. Mellier, E. Bertin, S. Foucaud, S. Gwyn, O. Le Fèvre</i>	448
UV – Optical Colors of the Host Galaxies of $z \sim 2 - 3$ Radio-Quiet Quasars	
<i>S.E. Ridgway, T.M. Heckman, D. Calzetti, M. Lehnert</i>	450
Galaxies of 10^{12} M_\odot at $z \geq 4$ Along the K-z Sequence	
<i>B. Rocca-Volmerange</i>	453
Averaging the Universe: The Cosmic Color and Stellar Mass Density to $z \sim 3$	
<i>G. Rudnick, H.-W. Rix, M. Franx, I. Labbé, and the FIRES Collaboration</i>	455
The TESIS Project:	
Revealing Massive Early-Type Galaxies at $z > 1$	
<i>P. Saracco, M. Longhetti, P. Severgnini, R. Della Ceca, V. Braito, R. Bender, N. Drory, G. Feulner, U. Hopp, F. Mannucci, C. Maraston</i>	457
The TESIS Project:	
Are Type 2 QSO Hidden in X-Ray Emitting EROs?	
<i>P. Severgnini, R. Della Ceca, V. Braito, P. Saracco, M. Longhetti, R. Bender, N. Drory, G. Feulner, U. Hopp, F. Mannucci, C. Maraston</i>	459
Radio Observations	
of the Subaru/XMM-Newton Deep Survey Field	
<i>C. Simpson, S. Rawlings, R. Ivison, and the SXDS Team</i>	461

SED Diagnostics of Submillimetre Galaxies	
<i>T. Takagi, N. Arimoto, H. Hanami</i>	463
How Much Light Comes from Bulges and Disks?	
<i>L. Tasca, S.D.M. White</i>	465
Final Analysis of ELAIS 15 μm Observations	
<i>M. Vaccari</i>	467
The Relation Between Stellar Populations and Light Profiles in Early-Type Galaxies	
<i>A. Vazdekis, I. Trujillo, Y. Yamada</i>	469
The Submm Properties of Extremely Red Objects	
<i>T. Webb, M. Brodwin, S. Eales, S. Lilly</i>	471
The Luminosity Function of AGN at $z \sim 5$. . . 1	
<i>C. Wolf, L. Wisotzki, A. Borch, S. Dye, M. Kleinheinrich, K. Meisenheimer</i>	473
A Public Redshift Catalogue of the Chandra Deep Field South from COMBO-17	
<i>C. Wolf, M. Kleinheinrich, K. Meisenheimer, A. Borch, S. Dye, M. Gray, L. Wisotzki</i>	475
Measuring the Ages of $z \sim 1$ Galaxies	
<i>M.J. Wolf, N. Drory, K. Gebhardt, G.J. Hill</i>	477
Understanding Current Star Formation Processes in Galaxies at Different Redshifts	
<i>J. Zamorano, P.G. Pérez-González, J. Gallego, A. Gil de Paz, A. Alonso-Herrero, A. Aragón-Salamanca, S. Pascual, C. Díaz, V. Villar</i>	479
Witnessing the Formation of a Brightest Cluster Galaxy at $z = 4.1$	
<i>A.W. Zirm, R.A. Overzier, G.K. Miley, and the ACS/GTO Team</i>	481
Author Index	483