Curriculum Vitae

Eric M. Friedlander

Academic honors / Recognition:

1974	U.S.-France Exchange of Scientists Fellowship
1974	National Research Council Award to attend I.C.M.
1977-78	Senior Visiting Fellowship, Science Research Council of Great Britain
1985	Invited Address, American Mathematical Society Regional Meeting
1986	Surrogate speaker for Andrei Suslin, plenary lecture of the International Congress of Mathematicians
1992	Zabrodsky Memorial Lecturer, Jerusalem
1996–98	Humboldt Senior Scientist Research Prize
1998	Invited Speaker, International Congress of Mathematicians
1999–2008	Henry S. Noyes Professor of Mathematics
2001	Plenary Address, A.M.S. - Mexican Math Society Meeting
2001	Humboldt research grant (continuation), Heidelberg
2003	Plenary speaker, International A.M.S.-Spain Congress
2005	Spenser lecturer, Kansas State
2005	Fellow, American Academy of Arts and Sciences
2008 - -	Dean's Professor of Mathematics
2010	Richard Block lecturer, UC Riverside
2011-12	President of the American Mathematical Society
2012	Fellow of the American Mathematical Society
2014	R. L. Moore Colloquium Speaker, Texas-Austin
2015	Chair of Math Section, AAAS
2016	Emil Artin Vorlesung Lecturer, Heidelberg
2016 - -	Chair of US National Committee / Math
2018	Kan Lecturer, Utrecht

Education/Employment:

1965	Swarthmore College, B.A.
1970	Massachusetts Institute of Technology, Ph.D
1970-71	Instructor, Princeton University
1971-72	Lecturer, Princeton University
1972-75	Assistant Professor, Princeton University
1975-80	Associate Professor, Northwestern University
1980-08	Professor, Northwestern University
1987-90	Chair, Mathematics Department, Northwestern University
1995-98	Academic Associate Dean, College of Arts and Sciences, Northwestern University
1999-08	Henry S. Noyes Professor of Mathematics, Northwestern University
1999-03	Chair, Mathematics Department, Northwestern University
2008 - -	Dean's Professor, University of Southern California
2014 - -	Chair, Mathematics Department, University of Southern California

Visiting Positions:

1974,82-3,85,87	Visiting Member, I.H.E.S., France
1977	Research Fellow, Trinity College, Cambridge, England
1978	Research Fellow, New College, Oxford, England
1981,85-6,99,04,05	Institute for Advanced Study
1982-83	Professor Associe, Paris
1983	Visiting Fellow, M.P.I., Germany
1984,86,88,91	Visiting Fellow, E.T.H.-Zurich, Switzerland
1986,95,08	Visiting Member, M.S.R.I.
1988, 89,90, 90-91,93	Visiting Member, I.H.E.S., France
1992	Visiting Professor, Hebrew University
1994	Visiting Distinguished Professor, Brown Univ.
1996-98,01	Visiting Professor, Heidelberg, Germany
1998-9,02,04,05, 06	Visiting Member, I.H.E.S., France
1999	Research Professor, M.S.R.I.
2000,03-04	Visiting Fellow, E.T.H.-Zurich, Switzerland
2004	Visiting Fellow, Institut Henri Poincaré
2007-08	Visiting Professor, University of Southern California

Professional Activities:

My service to the mathematical community includes: refereeing papers/grant proposals and editing journals; serving on various national committess; and organizing mathematical conferences.

TPSE-Math

Current member of leadership team whose aim is to "transform" post-secondary mathematics education.

American Association for the Advancement of Science

Past-Chair of the Mathematics Section

Conference Organization:

1977   Northwestern Algebraic Topology Conference
1978   Oberwolfach: Connections between Algebraic Geometry and Algebraic Topology
1980   Northwestern Algebraic K-theory Conference

1981	Princeton Algebraic K-theory Seminar
1983	A.M.S. Algebraic K-theory Conference
1983	U.S.– France Algebraic K-theory Conference
1985	Northwestern Cohomology of Groups Conference
1990-1	I.H.E.S. Working Seminar on Chow Varieties
1991	A.M.S. Algebraic Groups Conference
1992	Northwestern Conference on Topology
1994	Great Lakes K-theory Conference, Evanston
1996	A.M.S. Motives Special Session, Antwerp
1997	A.M.S. K-theory Special Session, Pretoria
1997	Great Lakes K-theory Conference, Evanston
1998	MSRI Workshop, Berkeley
1999	A.M.S. Representation theory Special Session, Melbourne
1999	A.M.S. Diverse legacy of Jean Leray, Austin
2001	Great Lakes K-theory, Evanston
2002	Northwestern Topology Conference, Evanston
2003	A.M.S. Algebraic Topology Special Session, Seville
2003	A.M.S. Cycles, K-theory, & Motives Special Session, Bangalore
2004	A.M.S. Special Session on Motives, Evanston
2005	A.M.S. - D.M.V Session on Motivic Cohomology, Mainz
2005	Great Lakes K-theory, Chicago
2007	Homotopy theory of schemes, Fields Institute
2007	School on algebraic K-theory, ICTP (Trieste)
2007	Abel symposium, Oslo
2009	Motivic Homotopy Theory, Muenster
2010	A.M.S. Representation Theory Special Session, San Francisco
2011	K-theory and Motivic Cohomology, UCLA
2013	Homotopy Methods in Algebraic Geometry, USC
2014	A.M.S. Special Session on Representation Theory, San Francisco
2015	Conference in honor of Charles Weibel, Rutgers
2017	Semester Program at Mittag-Leffler Institute, Stockholm
2017	MCA Special Session, Montreal

Recent Invited Lectures:

seminars/colloquia at international universities

ETH-Zurich: Algebra Seminar, 2001
Goettingen: Colloquium, 2001
Heidelberg: Oberseminar (5 lectures), 2001
Nantes: Cohomology of functors (5 lectures), 2001
Orsay: Number Theory Seminar, 2002
ETH-Zurich, Zurich: Colloquium, 2003
ETH-Zurich: Nach-Diplom lectures (12 lectures), 2003
Strasbourg: Topology Seminar, 2004
ETH-Zurich: Topology Seminar, 2004
Institut Henri Poincaré: K-theory (7 lectures), 2004
Orsay: Algebraic Geometry Seminar, 2004

University of Paris 13: Topology Seminar, 2004
Cambridge University: Algebra Seminar, 2004
London: algebra colloquium, 2004
Edinburgh: Colloquium, 2004
Bonn: Colloquium, 2004
Oxford: Colloquium, 2006
Tokyo University: Algebraic geometry, 2008
East China Normal University, Shanghai, 2008
Hongzhou University, 2008
Nottingham University: Number theory, 2009
Sheffield University: Topology colloquium, 2009
Barcelona: Algebraic Geometry, 2009
Stetlov Institute, St. Petersburg, 2010
University of New South Walkes, Public Lecture, 2012
University of Melbourne, Public Lecture, 2012
University of Canberra, Algebra lecture, 2012
Heidelberg University, Dold Memorial, 2013
University of Bonn, Algebraic Geometry, 2013
University of Paris 13, Geometry, 2014
Heidelberg University, Emil Artin Vorlesung, 2016

conference lectures

T.I.F.R. (Bombay): Colloquium on Algebra, Arithmetic, and Geometry, 2000
Toulouse: K-theory and the Homotopy Theory of Schemes, 2000
Morelia: Plenary talk at A.M.S.–Mexico joint meeting, 2001
Stony Brook: Geometry Conference in honor of Blaine Lawson, 2002
Urbana: Great Lakes K-theory, 2002
Mount Holyoke: A. M.S. Summer Conference, 2002
I.C.T.P.: K-theory Conference, 2002
Madison: A.M.S. Special Session on cohomolgy of groups, 2002
Seville: Plenary address, A.M.S.–Spain joint meeting, 2003
Paris: K-theory & Motivic cohomology conference, 2004
Paris: Group theory conference, 2004
Snowbird: A.M.S. Summer Conference, 2004
Bonn: Arbeitstagung, 2005
Cracow: CAT05 (algebraic topology) 2005
Lincoln: A.M.S. Special session on motivic cohomology, 2005
Providence: Lichtenbaum conference, 2005
Oberwolfach: K-theory conference, 2005
Leeds: Conference on Triangulated Categories, 2006
Kyoto: Number Theory, 2006
Bielefeld: Representation Theory, 2007
Trieste: K-theory (6 lectures), 2007
Los Angeles: Southern California Algebra Conference, 2007
Columbus: Conference on Algebraic Cycles, 2008
Berkeley (MSRI): Homological Methods in Representation Theory, 2008
Vancouver: ABC algebra workshop, 2008

Tokyo University: Conference on Motives, 2008
Koeln University: Representation Theory and Cohomology (3 lectures), 2009
Cambridge (Newton Institute): Representation Theory, 2009
Banff: Linear Algebraic Groups, 2009
Western Lie Theory, 2010
Oberwolfach, 2010
Salt Lake City: AMS special session on noncommutative geometry, 2011
M.I.T.: Quillen Memorial Conference, 2012
Stony Brook: Geometry in honor of H. Blaine Lawson, 2012
Riverside: AMS Special session on representation theory, 2015
Oberwolfach, Representation theory, 2015
Edinburgh: Representation theory, 2016
University of Virginia: Representation theory, 2016
USC: Representation theory, 2016
PIMS (Vancouver): Representation theory (3 lectures), 2016
University of Lille, Representation Theory, 2017

seminars/colloquia at north American universities

Boston Area Colloquium, 2000
University of Nebraska: colloquium, 2000
University of Wisconsin: colloquium, 2000
University of Indiana: colloquium, 2000
University of Utah: colloquium, 2001
University of Chicago: Algebraic Geometry Seminar, 2001
University of California at Los Angeles: colloquium, 2001
University of Southern California: colloquium, 2001
University of Nebraska: colloquium, 2002
Duke University: colloquium, 2002
University of Oregon: colloquium, 2003
University of Oregon: algebra seminar, 2003
University of Georgia: colloquium, 2004
University of Georgia: algebra seminar, 2004
Princeton University: algebra seminar, 2005
University of Pennsylvania: algebra seminar, 2005
Kansas State: "Spenser Lecture", 2005
Kansas State: algebra seminar, 2005
University of Illinois, Chicago: colloquium, 2005
University of Washington: colloquium, 2006
University of Washington, topology seminar, 2006
University of Southern California: colloquium, 2006
University of Washington: algebra seminar, 2007
University of California Los Angeles: colloquium, 2008
University of British Columbia: colloquium, 2008
University of Washington, algebra seminar, 2009
Claremont Colleges, colloquium, 2010
Northwestern University: colloquium, 2010
Ohio State: colloquium, 2011

University of California - San Diego: colloquium, 2011
University of Oregon: colloquium, 2013
University of Washington lectures, 2014
University of Texas-Austin, colloquium, 2014
Northeastern University: colloquium, 2014
Pomona College, algebra seminar, 2015
University of California - Santa Barbara; colloquium, 2017

University of Southern California service

UCAPT Science and Engineering Panel, 2010 - 17 (Chair, 2016 - 17)
Search Committee for Dean of Dornsife College, 2011 - 12
Chair, Mathematics Department, 2014 - -

Northwestern University service

Math Dept Chair, 1987-90, 1999-03.
Academic Associate Dean, Northwestern, 1995-98.
Numerous Faculty Committees

Ph.D Students:

- David A. Cox, Princeton Ph.D, 1974

- Roy Joshua, Northwestern Ph.D, 1983

- Paul Kunkel, Northwestern Ph.D, 1984

- Henry Cejtin, Ph.D. Northwestern Ph.D, 1985

- Steve Schlicker, Northwestern Ph.D, 1987

- Mark Muzere, Northwestern Ph.D, 1987

- Joseph Gottman, Northwestern Ph.D, 1993

- Christopher Flannery, Northwestern Ph.D, 1994

- Christopher Bendel, Northwestern Ph.D, 1996

- Julia Pevtsova, Northwestern Ph.D, 2002

- Christian Haesemeyer, Northwestern Ph.D, 2003

- Jeremiah Heller, Northwestern Ph.D, 2006

- Mircea Voineaugu, Northwestern Ph.D, 2007

- Chenghao Chu, Northwestern Ph.D, 2008

- Paul Sobaje, USC Ph.D, 2011

- Taylan Bilal, USC, Ph.D, 2013

- Jared Warner, USC PhD, 2015

- Ozlem Ejder, USC PhD, 2017

Grant Support:

2017-	Simons Foundation Collaboration Grant
1970– 2015	N.S.F. Principal Investigator grant
2010 –2014	N.S.F. Focused Research Award
2003–	N.S.F. grant to support Great Lakes K-theory
1990–2004, 2015	N.S.A. grant
1976, etc	N.S.F. support for Emphasis Years in Algebra and Topolgy 1976-7, 1979-80, 1981-2, 1984-5, 1987-8,1991-2, 1996-7,2001-02
1974	C.N.R.S. (U.S.– France Exchange of Scientists Fellowship)
1977–78	S.R.C. (Visiting Senior Lectureship)
1978,82-3	N.S.F. Sabbatical Support
1980	N.S.F. Support for Algebraic K-theory Conference
1981,85-6	Institute for Advanced Study
1982–83	N.S.F. Sabbatical Support
1983	N.S.F. Support for U.S.– France Algebraic K-theory Conference
1984–85	N.S.F. Support for Cohomology of Groups Emphasis Year
1986	Institute for Advanced Study
1991–92	N.S.F. support for Algebra & Topology Emphasis Year
1991–92	N.S.F. support for Algebra & Topology Emphasis Year
1996–97	N.S.F. support for Algebra & Topology Emphasis Year
1998	M.S.R.I. support for "hot topics" workshop

Partial support from Institute for Advanced Study, University of Paris VII, I.H.E.S., Max-Planck Institut, E.T.H. (Zurich), and M.S.R.I. as visitor (cf. Visiting Positions).

Publications

My research interests include algebraic geometry (both classical and abstract), algebraic K-theory, algebraic topology, and representation theory.

Research articles

1. Fibrations in etale homotopy theory, Pub. Math. I.H.E.S. 42 (1972), 281–322.

2. (with P. Griffiths and J. Morgan) Homotopy theory and differential forms, M.I.T. notes (1972).

3. $K(\pi, 1)$'s in characteristic $p > 0$, Topology 12 (1973), 9–18.

4. The etale homotopy theory of a geometric fibration, Manuscripta Mathematica 10 (1973), 209–244.

5. Unstable K-theories of the algebraic closure of a finite field, Comment. Math. Helvetici 50 (1975), 145–154.

6. Exceptional isogenies and the classifying spaces of simple Lie groups, Annals of Math. 101 (1975), 510–520.

7. Extension functions for rank two torsion free abelian groups, Pacific J. Math. 58 (1975), 371–380.

8. Computations of K-theories of finite fields, Topology 15 (1976), 87–109.

9. Homological stability for classical groups over finite fields, in Algebraic K-theory, Lecture Notes in Math. 551, Springer (1976), 290–303.

10. Maps between localized homogeneous spaces, Topology 16 (1977), 205–216.

11. (with R.M. Seymour) Two proofs of the stable Adams conjecture, Bull. A.M.S. 83, No. 6 (1977), 1300–1302.

12. (with S. Priddy) Karoubi's conjecture for finite fields, J. Pure & Applied Algebra 10 (1977), 233–238.

13. (with A.K. Bousfield) Homotopy theory of Γ-spaces, spectra, and bisimplicial sets, in Geometric Applications of Homotopy Theory II, Lecture Notes in Math. 658, Springer (1978), 80–130.

14. The infinite loop Adams conjecture via classification theorems for F-spaces, Math. Proc. Camb. Phil. Soc. (1980), 109–150.

15. Etale K-theory I: Connections with etale cohomology and algebraic vector bundles, Inventiones Math. 60 (1980), 105–134.

16. (with L. Evens) $K_r(\mathbf{Z}/p^2\mathbf{Z})$ and $K_r(\mathbf{Z}/p\mathbf{Z}[\varepsilon])$ for $p \geq 5$ and $r \leq 4$, Bull. A.M.S. 3, no. 2 (1980), 440–443.

17. (with B. Parshall) Etale cohomology of reductive groups, in Algebraic K-theory (Evanston 1980), Lecture Notes in Math. 854, Springer (1981), 127–140.

18. (with L. Evens) On $K_*(Z/p^2Z)$ and related homology groups, Trans. A.M.S. 270, no. 1 (1982), 1–46.

19. Etale K-theory II: Connections with algebraic K-theory, Ann. Scient. Ecole Norm. Sup., t.15 (1982), 231–256.

20. (with W. Dwyer, V. Snaith and R. Thomason) Algebraic K-theory eventually surjects onto algebraic K-theory, Inventiones Math. 66(3) (1982), 481–497.

21. (with W. Dwyer) Etale K-theory and arithmetic, Bull. AMS 6(3) (1982), 453–455.

22. (with B. Parshall) On the cohomology of Chevalley groups, Bull. A.M.S. 7, no. 1 (1982), 247–250.

23. (with B. Parshall) On the cohomology of algebraic and related finite groups, Inventiones Math. 74 (1983), 85–117.

24. (with G. Mislin) Cohomology of classifying spaces of complex Lie groups and related finite groups, Comment. Math. Helvetici 59 (1984), 347–361.

25. (with W. Dwyer) Etale K-theory of Azumaya algebras, J. Pure and Applied Algebra 34 (1984), 179–191.

26. A canonical filtration for certain rational modules, Math. Z. 188 (1985), 433–438.

27. (with W. Dwyer) Algebraic and etale K-theory, Trans. A.M.S. 292 (1985), 247–280.

28. (with B. Parshall) Cohomology of Lie algebras and algebraic groups, American Journal 108 (1986), 235–253.

29. (with W. Dwyer) Conjectural calculations of general linear group homology, Contemporary Math. 55, Part 1 (1986), 135–147.

30. (with W. Dwyer) Some remarks on the K-theory of fields, Contemporary Math. 55, Part 1 (1986), 149–158.

31. (with B. Parshall) Cohomology of infinitesimal and discrete groups, Math. Annalen 273 (1986), 353–374.

32. (with G. Mislin) Locally finite approximations of Lie groups I, Inventiones Math. 83 (1986), 425–436.

33. (with G. Mislin) Locally finite approximations of Lie groups II, Math. Proc. Camb. Phil. Soc. 100 (1986), 505–517.

34. (with B. Parshall) Support varieties for restricted Lie algebras, Inventiones Math. 86 (1986), 553–562.

35. (with B. Parshall) Limits of infinitesimal group cohomology, Annals of Math. Studies no. 113 (1987), 523–538.

36. (with B. Parshall) Geometry of p-unipotent Lie algebras, J. Algebra 109, no. 1 (1987), 25–45.

37. (with B. Parshall) Rational actions associated to the adjoint representation, Ann. Scient. Ec. Norm. Sup. 4e̲ Serie, t. 20 (1987), 215–226.

38. (with B. Parshall) Representations of mod-p Lie algebras, Bull. A.M.S. 17, no.1 (1987), 129–132.

39. Cohomology of irreducible modules with large weights, Proceedings of Symposia in Pure Mathematics 47, vol. 2 (1987), 187–193.

40. Multiplicative stability for the cohomology of finite Chevelley groups, Comment Math. Helvetici 63 (1988), 108–113.

41. (with G. Mislin) Conjugacy classes of finite solvable subgroups in Lie groups, Ann. Scient. Ecole Norm. Sup. 4e̲ Serie, t. 21 (1988), 179–191.

42. (with B. Parshall) Modular representation theory of restricted Lie algebras, Amer. J. Math. 110 (1988), 1055–1094.

43. Homology using Chow varieties, Bull. A.M.S. 20, no. 1 (1989), 49–53.

44. (with B. Parshall) Deformations of Lie algebra representations, Amer. J. Math. 112 (1990), 375–390.

45. (with G. Mislin) Galois descent and cohomology for algebraic groups, Math. Zeit. 205 (1990), 177–190.

46. Algebraic cycles, Chow varieties, and Lawson homology, Compositio Math. 77 (1991), 55-93.

47. (with B. Parshall) Induction, deformation and specialization of Lie algebra representations, Math. Annalen. 290 (1991), 473–489.

48. (with H. B. Lawson) Algebraic cocycles and the cohomology of algebraic varieties, Bull. A.M.S. 26, no. 2, (1992), 264–268.

49. (with H. B. Lawson) A theory of algebraic cocycles, Annals of Math. 136 (1992), 361–428.

50. (with W. Dwyer and S. Mitchell) The generalized Burnside ring and the K-theory of a ring with roots of unity, K-theory 6 (1992), 285-300.

51. (with O. Gabber) Cycle spaces and intersection theory, in *Topological Methods in Modern Mathematics* (1993), 325-370.

52. (with W. Dwyer) Topological models for arithmetic, Topology 33 (1994), 1–24.

53. Some computations of algebraic cycle homology, K-theory 8 (1994), 271–285.

54. (with B. Mazur) Correspondence homomorphism for singular varieties, Annales de l'Institut Fourier **44**, 3 (1994), 703-727.

55. Filtrations on algebraic cycles and homology, Annales Ec. Norm. Sup., 4^e serie, t. 28 (1995), 317-343.

56. (with A. Suslin), Cohomology of finite group schemes over a field, Inventiones Math. **127** (1997), 209-270.

57. (with H.B. Lawson) Duality relating spaces of algebraic cocycles and cycles, Topology **36** (1997), 533-565.

58. (with A. Suslin and C. Bendel) Infinitesimal 1-parameter subgroups and cohomology, Journal of the American Mathematical Society, **10** (1997), 693-728.

59. (with A. Suslin and C. Bendel) Support varieties for infinitesimal group schemes, Journal of the American Mathematical Society, **10** (1997), 729-759.

60. Motivic complexes of Suslin and Voevodsky. Séminaire Bourbaki. vo. 1996/97. Asterisque **245** (1997), 355-378.

61. Algebraic cocycles on quasi-projective varieties, Compositio Math. **110** (1998), 127-162.

62. (with H.B. Lawson) Moving algebraic cycles of bounded degree. Inventiones Math. **132** (1998), 91-119.

63. Geometry of infinitesimal group schemes. Documenta Mathematica **1998**, Extra Vol. II, 55-65.

64. (with C. Weibel) An overview of algebraic K-theory, 1997 Trieste lecture notes; in *Algebraic K-theory and its Applications.* World Scientific Publishing (1999), 1 – 119.

65. (with V. Franjou, A. Scorichenko, and A. Suslin) General linear and functor cohomology over finite fields, Annals of Math **150** (1999), 663-728.

66. (with V. Voevodsky) Bivariant cycle cohomology. In *Cycles, Transfers, and Motivic Homology Theories.* Annals of Math Studies, Princeton University Press 2000, 138-187.

67. Bloch-Ogus properties for topological cycle theory, Annales Ec. Norm Sup. **33** (2000), 57-65.

68. Intersection products for spaces of algebraic cycles, Recent progress in intersection theory (Bologna, 1997), 217–237, Trends Math., Birkhauser 2000.

69. Relative Chow correspondences and the Griffiths group. Annales de l'Institut Fourier, Grenoble **50** (2000), 1073-1098.

70. (with M. Walker) Function spaces and continuous algebraic pairings for varieties, Compositio Math. **125** (2001), 69–110.

71. (with M. Walker) Comparing K theories for complex varieties, American J. of Math **123** (2001), 779–810.

72. (with M. Walker) Some remarks concerning mod-n K-theory. Invent. math **145** (2001), 545–555.

73. (with M. Walker) Semi-topological K-theory using function complexes. Topology **41** (2002), 591–644.

74. (with M. Walker) Semi-topological K-theory of real varieties. Proceedings of the International Colloquium on Algebra, Arithmetic and Geometry, Tata Institute of Fundamental, Research, Mumbai 2000, Ed. R. Parimala, (2001), 219–326.

75. (with A. Suslin) The spectral sequence relating algebraic K-theory to motivic cohomology, Ann. Sci. Ec Norm. Sup. **35** (2002), 773–875.

76. (with M. Rapoport and A. Suslin) The mathematical work of the 2002 Fields medalists, Notices of the A.M.S. **50** (2003), 212–217.

77. (with M. Walker) Rational isomorphisms between K-theories and cohomology theories, Inventiones Math. **154** (2003), 1–61.

78. Lectures on the cohomology of finite group schemes. In Rational Representations, The Steenrod Algebra, and Functor Homology, S.M.F. **16** (2003) 27-53

79. (with C. Haesemeyer and M. Walker), Techniques, computations and conjecture for semi-topological K-theory, Math Annalen **330** (2004), 759-807.

80. (with J. Pevtsova) Representation-theoretic support spaces for finite group schemes, American Journal of Math **127** (2005), 379-420.

81. (with M. Walker) Semi-topological K-theory, in Handbook of K-theory, vol I (2005).

82. (with J. Pevtsova and A. Suslin), Generic and maximal Jordan types, Inventiones Math **168** (2007), 485-522.

83. (with J. Pevtsova) Π-supports for modules for finite group schemes over a field, Duke Math. J. **139** (2007), 317-368.

84. (with J. Carlson and J. Pevtsova), Modules of constant Jordan type, Journal fúr die reine und angewandte Mathematik **614** (2008), 191-234.

85. (with V. Franjou) Cohomology of Bifunctors, Proceedings of the London Mathematical Society **97** (2008), 514-544.

86. The Friedlander-Milnor Conecture, L'Enseignement Mathématique **54** (2008), 90-92.

87. Lectures in K-Theory. Proceedings of the K-Theory summer school, 2007, Published by ICTP Press, 2008.

88. (with H.B. Lawson) Graph mappings and Poincare duality, Math Annalen, **343** (2009), 431- 461.

89. (with J. Carlson), Exact category of modules of constant Jordan type. Exact category of modules of constant Jordan type. Manin Festschift, Progress in Mathematics, vol. 269, Birkhäuser-Boston (2009), 267-290.

90. Weil restriction and support varieties, Journal für die reine und angewandte Mathematik, **648** (2010), 183-200.

91. (with C. Haesemeyer), Lipschitz coycles and Poincaré duality, in *The Geometry of Algebraic Cycles*, Clay Mathematics Proceedings, vol 9, Amer. Math. Soc, Providence, RI, 2010, pp. 33-51.

92. (with J. Pevtsova) Generalized support varieties for finite group schemes, Documenta Mathematica - Extra volume Suslin (2010), 197-222.

93. (with J. Carlson and A. Suslin), Modules for $\mathbf{Z/p} \times \mathbf{Z/p}$, Commentarrii Mathematici Helvetici **86** (2011), 609-657.

94. Restrictions to $G(\mathbf{F_p})$ and $G_{(r)}$ of rational G-modules, Compositio Mathematica **147** (2011), 1955-1978.

95. (with J. Pevtsova), Constructions for infinitesimal group schemes, Trans. Amer. Math. Soc. **363** (2011), 6007-60761.

96. (with J. Carlson and J. Pevtsova), Representations of elementary abelian p-groups and bundles on Grassmanians, Advances in Math.**229** (2012), 2985-3051.

97. Spectrum of group cohomlogy and support varieties, Journal of K-Theory **11** (2013), 507-516.

98. (with J. Carlson and J. Pevtsova), Elementary subalgebras of Lie algebras, J. Algebra **442** (2015), 155-189.

99. Support varieties for rational G-modules, Compositio Math. **151** (2015), 765-792.

100. (with J. Carlson and J. Pevtsova), Vector bundles associated to Lie algebras, J. fur die Reine und Ang. Math. (Crelle) **716** (2016), 147-178.

101. (with J. Ross), An approach to intersection theory on singular varieties using motivic complexes, Compositio Math. **152** (2016). 2371-2404.

102. Filtrations, 1-parameter subgroups, and rational injectivity, Advances in Math. **323** (2018), 84 - 113.

103. Rational cohomology and supports for linear algebraic groups. To appear in "Geometric and Topoogical Aspects of Representation Theory of Finite groups, Springer-Verlag.

104. (with C. Negron), Cohomology for Drinfeld doubles of some infinitesimal group schemes. To appear in Algebra and Number Theory. arxiv:1709.09217

105. Rational cohomology of unipotent group schemes. arXiv:1702.09914.

Research monographs

1. *Etale Homotopy of Simplicial Schemes*, Annals of Mathematics Studies #104, Princeton University Press, 1982.

2. (with B. Mazur) *Filtrations on the homology of algebraic varieties,* Memoir of the A.M.S., no. 529, 1994.

3. (with A. Suslin and V. Voevodsky) *Cycles, Transfers, and Motivic Homology Theories.* Annals of Math Studies, Princeton University Press, 2000.

Edited volumes

1. (with M. Stein), Algebraic K-theory, Evanston 1980, Springer Lecture Notes 854.

2. Special volume of Journal of Pure and Applied Algebra, 1984.

3. (with S. Bloch, R.K. Dennis and M. Stein), Applications of Algebraic K-theory to Algebraic Geometry and Number Theory, Contemporary Math. 55.

4. (with M. Mahowald), Topology and Representation Theory, Contemporary Math. 158.

5. (with A. de Jong, L. Small, J. Tate, A vistoli, and J. Zhang), Special volume in honor of Michael Artin, Advances in math 198 (2005).

6. (with D. Grayson), Handbook of K-theory Vol 1, Vol 2, Springer, 2005.

7. (with A. Kuku and C. Pedrini), Some recent developments in algebraic K-theory. ICTP, 2008.

8. (with N. Baas, B. Jahren, and P. Oestvaer), Proceedings of the 2007 Abel Symposium. Springer-Verlag, 2009.

9. (with I Fesenko, A. Merkurjev, and U. Rehmann), Documenta Mathematica – extra volume (Suslin), 2010.

10. (with P. Ostvaer and G. Quick), Special issue on motivic homotopy theory, J. of K-theory **7** (2011), no. 3, 405407

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