

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di valutazione per la chiamata a professore di I fascia da ricoprire ai sensi dell'art. 24, comma 6, della Legge n. 240/2010 per il settore concorsuale 06/A2 - PATOLOGIA GENERALE E PATOLOGIA CLINICA, (settore scientifico-disciplinare MED/04 - Patologia Generale)
presso il Dipartimento di Dipartimento di Dipartimento di Oncologia ed Emato-Oncologia, Codice concorso 3498

[Giorgio Scita]

CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	SCITA
NOME	GIORGIO
DATA DI NASCITA	[09, 02, 1963]

INSERIRE IL PROPRIO CURRICULUM (non eccedente le 30 pagine)

Prof. Giorgio Scita

Professore Associato di Patologia Generale (MED/04).

Università di Milano, Facoltà di Medicina Chirurgia, Dipartimento di Oncologia e Emato-Oncologia

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Direttore di Ricerca presso la Fondazione IFOM, Istituto FIRC di Oncologia Molecolare

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Data di Nascita: 09/02/1963

Luogo Di Nascita: Fidenza (Parma), Italia

Cittadinanza: Italia

Educazione

1982-1986 Università di Parma, Parma, Italia. Istituto di Genetica. Laurea in Scienze Biologiche

1986-1990 Università di Parma, Parma, Italia. Istituto di Biochimica. Specialità in Chimica e Tecnologia Alimentare.

Esperienza Professionale

2006-presente Università degli studi di Milano, Facoltà di Medicina e Chirurgia.

Professore Associato di Patologia generale

2003-presente IFOM, Fondazione Istituto FIRC di Oncologia Molecolare.

Direttore di Ricerca

2001-2003 Istituto Europeo d'Oncologia. Dipartimento di Oncologia Sperimentale,

Direttore di Ricerca

1998-2001 Istituto Europeo d'Oncologia. Dipartimento d'Oncologia Sperimentale, Milano, Italia
Assistente Ricercatore1995-1998 Istituto Europeo di Oncologia. Dipartimento di Oncologia Sperimentale, Milano, Italia
Borsista Senior.

- 1994-1995 National Cancer Institute, Division of Cancer Etiology. Laboratory of Carcinogenesis and Tumor Promotion, Differentiation Control Section. National Institute of Health, Bethesda, Maryland
Post-Doctoral Fellow (Fogarty Fellowship)
- 1990-1994 University of California, Berkeley, CA, Departement of Nutritional Sciences.
Post-doctoral fellow.

Produttività Scientifica: Autore di oltre 100 pubblicazioni, ~ 90 articoli originali e 10 “invited reviews” in giornali “peered reviewed”. Impact factor medio > 10. IF medio delle pubblicazioni degli ultimi 10 anni è > 12, di queste 19 pubblicazioni sono apparse in giornali con IF >10. E’ autore di 3 capitoli di libri.

Ha pubblicato 3 capitoli di libri e 3 meeting proceedings.

H factor: 46 (fonte Google Scholar)

(vedere il record di pubblicazioni selezionate e totali allegato alla fine del CV)

Attività Editoriale

-Editor of the European Journal of Cell Biology

-Ad hoc reviewer” (~50-60 papers/year) for:

Cell family journals, Nature family journals, Journal of Cell Biology, Molecular Biology of the Cells, Journal of Cell Science, PLoS Biology journal family, Journal Cell ScienceMolecular Biology of the Cell.

Serve da revisore per le seguenti Agenzie di Finanziamento della Ricerca:

International Association for Cancer Research (AIRC), UK;

European Commission

ERC;

Le Centre National de la Recherche Scientifique, France;

WellcomeTRUST, UK; Ministero della Ricerca ed Università, Italy

ERC grants:

-Advanced-ERC 2011 (268836 The MetaEndoMatrix).

Partecipazioni a Comitati di Valutazione delle Ricerca o in Scientific Advisory Board

- 2010-11 Membro del comitato GRANT dell’Agency National de Research (ANR), FRANCE
- 2011-12 Membro del comitato GRANT dell’Agency National de Research (ANR), FRANCE
- 2014-Membro del comitato GRANT dell’Agency National de Research (ANR), FRANCE
- 2013Membro del Pannello Starting GRANT LS3 (Cell & Developmental Biology) European Research Council
- 2013 Membro del Scientific Advisor Board UMR144 Institute Curie, Paris, FRANCE-
- **2014 Eletto Membro EMBO**

Organizzazione di Conferenze Internazionali

-SIBMB (Italian Society of Biochemistry and Molecular Cell Biology) Seminar on Molecular Determinants of Cell Signalling Torino -Giugno 2007

-FEBS/EMBO lecture Course -Actin dynamic in cell Migration Stresa, Italy 2011

-SEMM *Workshop* on Cell Migration: from Molecules to Organisms and Diseases- Milan , May 2007

-EMBO meeting in Singapore, Nuclear Dynamics and Cell Plasticity, October 12-15 2014.

-Joint IFOM-MBI Conference on Mechanobiology and Cancer - July 15/16, 2014

ABCD (Association of Cell biology and Differentiation) **Cell Biology of Disease: Cancer** Parma, Italy 28 Nov-29 Dec 2014

Borse Di Studio/Fellowship

- 1986: Vincitore del Premio di Laurea della fondazione Castagnetti per studi su Ceppi di Lievito in grado di produrre Acido Citrico
- 1987-1990: Vincitore della Borsa di Studio del Ministero della Educazione e Ricerca Scientifica per frequentare la Scuola di Specializzazione in Chimica e Tecnologia Alimentari, presso l'Università degli Studi di Parma.
- 1993: Vincitore della Borsa di Studio del Consiglio Nazionale delle Ricerche
- 1994: Vincitore della "Fogarty fellowship" presso il National Institute of Health

Attività Didattica

- 1992-94: "Teaching assistant" nel corso di Nutritional Science all'Università di California, Berkeley, USA.
- 1994-95: "Attività Tutoriale" Summer students all' NIH-NCI, Bethesda, MD, USA.
- 1995-oggi: "Supervisione e training" di Studenti di dottorato dell'OPEN University of Oxford, UK presso l'Istituto Europeo di Oncologia e della Scuola di Medicina Molecolare IFOM ed OEO.
- 1997-1998: Attività didattica di supporto e tutoriale nell'ambito del Corso di Patologia Generale tenuto dal Prof. Pier Paolo Di Fiore presso l'Università di Bari, Facoltà di Medicina e Chirurgia
- 2000-2006: Attività didattica di supporto e tutoriale nell'ambito del Corso di Patologia Generale tenuto dal Prof. Pier Paolo Di Fiore presso l'Università degli Studi di Milano, Facoltà di Medicina e Chirurgia.
- 2006-2012: In qualità di Professore associato Confermato di Patologia Generale è titolare
 - del corso integrato in Patologia, Microbiologia, e clinica patologica del corso di Laurea in Ortottica ed Assistenza Oftalmologica e
 - del Integrato di Patologia Generale nel Corso di Laurea in Scienze infermieristiche
- 2012-presente Titolare Corsi
 - Patologia Generale- nel corso integrato di Patologia e Fisiologia Generale nel corso di Laurea in Ortottica ed Assistenza Oftalmologica (policlinico)-2 crediti 20 ore
 - Patologia Generale- nel corso integrato di Patogenesi e Diagnostica nel Corso di Laurea in Scienze infermieristiche (San Paolo). 2 Crediti-30 ore
 - Patologia e Fisiologia Generale- Didattica non Formale a studenti di Medicina (75 ore)
- Docente di dottorato presso la Scuola di Medicina dei Sistemi- UNIMI- nel corso di Principi di Oncologia Molecolare (4 ore didattica frontale; Esaminatore di 6/7 tesi/anno; Tutor di 3 studenti di Dottorato)

Supervisione di studenti di tesi di dottorato e di Post-dottorato

Come Principal Investigator presso IEO and IFOM, Ho fatto da supervisore a diversi studenti di Laurea, 13 studenti di PhD, e 6 post-doctoral fellows

Adriana Zucconi (Research associate at MERCK, Rome); Angela Cannas (Group Leader at SPAXEN ITALIA, S.R.L. Rome, Italia); Metello Innocenti (Group leader at NKI, Amsterdam, Holland); Patrizia Sini (Project Leader at AstraZeneca (AstraZeneca Pharmaceutical, Cancer and Infection, Alderley Park, Macclesfield, Cheshire, United Kingdom); Maud Hertzog (CNRS Research Associate, Curie Institute, Paris, France); Andrea Disanza (Staff Scientist at IFOM, Milan, Italy); Salvatore Corallino (Research Staff Scientist at IFOM).

-Compiti Istituzionali

2010-2014 Membro commissione Ricerca e della Giunta presso il Dipartimento della Salute –San Paolo

2014-2015- Responsabile Commissione Ricerca presso il Dipartimento della Salute –San Paolo

Finanziamenti 2011-2016

<i>Agency (fellowship –grants –meeting funding)</i>	<i>Title</i>	<i>Time Rating</i>	<i>Start Date</i>	<i>End Date</i>
Federation of European Biochemical Societies	Actin-based motility: from molecules to model organisms Meeting		29/10/11	02/11/11
Regione Lombardia	Discovery Validation of Anticancer drugs (DIVA)	24	01/04/11	30/09/13
Fondazione CARIPLO	Meccanismi patogenetici della sordità conseguente a mutazioni del gene Eps8.	36	01/06/12	31/05/15
Fondazione Umberto Veronesi	The rab5-endocytic circuitry in the control of protease-dependent cell invasion	12	01/01/13	31/12/13
TRAIN “Training through Research Application Italian iNitiative”	The Endocytic Matrix in the control of protease-dependent cell invasion	24	01/11/13	30/10/15
TRAIN “Training through Research Application Italian iNitiative”	Collective Cell Migration overcomes endocytosis-mediated inhibition of locomotion	24	01/11/13	30/10/15
Japan training fellowship	RABs and the control of Invasive program of cell invasion	24	01/04/13	31/03/15
Centro Europeo di Nanomedicina	Forces, mechanisms and pathways involved in the ATR-mediated control of nuclear plasticity in response to mechanical stress” - Rif. EP002	12	01/01/14	30/02/15

Principali Grants Nazionali e Internazionali ottenuti in qualità di PI

Funding Agency	Project Title	Duration (years)	From	To	Amount (€)	Overlay
Advanced ERC-2011-268836	The endocytic and cytoskeletal matrix in the plasticity of tumor cell invasion and migration (The MetaEndoMatrix)	5	2011	2016	2217800	0 %
Association for International Cancer Research	F-bar proteins in the control of epithelial cell cohesion and breast cancer dissemination	3	2014	2016	224627	0 %
Italian Ministry of Health	Assessment of the therapeutic value of targeting cancer stem cells in Numb-deficient breast cancer	3	2016	2018	90000	0 %
Italian Association For Cancer Research	Endocytic networks in the control of breast cancer invasion plasticity	3	2013	2016	720000	20 %
Italian Association For Cancer Research	Identification of tumorigenic and pro-invasive RAB proteins	3	2017	2019	1003778	20 %

Collaborazioni CORRENTI

1. Aldo Ferrari Force measurement and devices to probe collective cell motility
ETH Zürich,
Switzerland
aferrari@ethz.ch
2. Prof. Nir Gov Physical-based modeling of cell migration
Department of Chemical Physics
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3. Xavier Trepât, Ph.D. Physical approaches to cell migration
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Group Leader
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4. Weimiao Yu Automatic Cell tracking
Institute of Molecule and Cell Biology,
A*STAR, Singapore
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5. Philippe Chavrier Mechanism of cancer invasion
Institut Curie – Research Center
Membrane & Actin Dynamics Lab
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6. Roberto Cerbino Soft Matter Physics
Dipartimento di Biotecnologie
Mediche e Medicina Traslazionale
c/o LITA
via F.lli Cervi 93, I-20090 Segrate (MI), Italy
e-mail: roberto.cerbino@unimi.it

Publicazioni

• Le migliori pubblicazioni in qualità di Senior Author

1. Malinverno C., Corallino C., Giavazzi F., Bergert M., Li Q., Leoni M., Disanza, A., Frittoli E., Oldani A., Martini, E., Lendenmann T., De Florian G., Poulidakos D., ONG Kok Haur O., Uroz M., Trepas X., Parazzoli D., Maiuri P., Yu W., Ferrari A., Cerbino Scita G. Endocytic re-awakening of motility in jammed epithelia. 2017.

Nature Materials. In press. IF = 38.64

2. Malet-Engra, G., W. Yu, A. Oldani, J. Rey-Barroso, N.S. Gov, G. Scita*, and L. Dupre. 2015. Collective cell motility promotes chemotactic prowess and resistance to chemorepulsion. *Current Biology*. 25:242-250. IF= 9,916 Citation=16

* Corresponding author (the first author of the manuscript is a Post doctoral fellow in my group).

3. Rolland, Y., P. Marighetti, C. Malinverno, S. Confalonieri, C. Luise, N. Ducano, A. Palamidessi, S. Bisi, H. Kajiho, F. Troglio, O.G. Shcherbakova, A.R. Dunn, A. Oldani, L. Lanzetti, P.P. Di Fiore, A. Disanza, and G. Scita. 2014. The CDC42-Interacting Protein 4 Controls Epithelial Cell Cohesion and Tumor Dissemination. *Dev Cell*. 30:553-568. IF= 10,366 Citation= 14

4. Frittoli, E., A. Palamidessi, P. Marighetti, S. Confalonieri, F. Bianchi, C. Malinverno, G. Mazzarol, G. Viale, I. Martin-Padura, M. Garre, D. Parazzoli, V. Mattei, S. Cortellino, G. Bertalot, P.P. Di Fiore, and G. Scita. 2014. A RAB5/RAB4 recycling circuitry induces a proteolytic invasive program and promotes tumor dissemination. *J Cell Biol*. 206:307-328 IF= 9,786 Citation=11

5. Disanza A., Bisi S, Winterhoff, M. Milanese, F., Ushakov, D.S., Kast, D., Marighetti, P., Romet-Lemonne, G., Müller, H_M., Nickel, W., Linkner, J., Waterschoot, D., Ampère, C., Cortellino, S., Palamidessi, A., Dominguez, R., Carlier, M-F., Faix, J., and Scita, G.. CDC42 switches IRSp53 from inhibition of actin growth to elongation by clustering of VASP. *EMBO J*. Oct 16;32(20):2735-50. IF= 10.748 Citation=14

6. Palamidessi, A., E. Frittoli, N. Ducano, N. Offenhauser, S. Sigismund, H. Kajiho, D. Parazzoli, A. Oldani, M. Gobbi, G. Serini, P.P. Di Fiore, G. Scita*, and L. Lanzetti. 2013. The GTPase-activating protein RN-tre controls focal adhesion turnover and cell migration. *Current Biology*. 23:2355-2364 IF= 9,916 Citation=12

* Corresponding author (the first author of the manuscript is a Post doctoral fellow in my group).

7. Frittoli, E., Matteoli, G., Palamidessi, A., Mazzini, E., Maddaluno, L., Disanza, A., Yang, C., Svitkina, T., Rescigno, M., and Scita, G. (2011). The signaling adaptor eps8 is an essential actin capping protein for dendritic cell migration. *Immunity* 35, 388-399 IF= 19.748 Citation=24

8. M. Hertzog, F. Milanese, L. Hazelwood, A. Disanza, H. Liu, E. Perlade, M. Malabarba, S. Pasqualato, A. Maiolica, S. Confalonieri, C. Le Clainche, N. Offenhauser, J. Block, K. Rottner, P. P. Di Fiore, M.-F. Carlier, N. Wolkman, D. Hanein, G. Scita, 2010. Molecular basis for the dual function of Eps8 on actin dynamics: bundling and capping. *Plos Biology*. June 8, e1000387 IF= 12.807 Citation=43

9. Palamidessi, A., Frittoli, E., Faretta, M., Diaspro, A., Letizia Lanzetti, Scita, G.*and Di Fiore, P.P. Endocytic trafficking of Rac is required for the spatial restriction of signaling in cell migration. *Cell* (2008). Jul 11;134(1):18-20. IF= 33.116 Citation= 296

* Corresponding author (the first author of the manuscript is a Post doctoral fellow in my group)

New & Views commentary for this article

-T. Zech and L. Machesky -Cell. 2008 Jul 11;134(1):18-20

- C. Marshall-Faculty 1000 Evaluated on 23 Jul 2008

-K. Baumann *Nature Reviews Cancer* 8, 662-663 (September 2008)

10. Disanza A, Mantoani S, Hertzog M, Gerboth S, Frittoli E, Steffen A, Berhoerster K, Kreienkamp HJ, Milanese F, Di Fiore PP, Ciliberto A, Stradal TE, Scita G. 2006. Regulation of cell shape by Cdc42 is mediated by the synergic actin-bundling activity of the Eps8-IRSp53 complex.

Nat Cell Biol 8:1337-1347. IF=20.058 Citation=161

- **Top Reviews**

1. Bisi, S., Disanza, A., Malinverno, C., Frittoli, E., Palamidessi, A., Scita, G., 2013. Membrane and actin dynamics interplay at lamellipodia leading edge. *Current opinion in cell biology*. 2013 Oct;25(5):565-73

IF= 8.736 Citation=35 (WoS)

2. Sigismund, S., S. Confalonieri, A. Ciliberto, S. Polo, G. Scita, and P.P. Di Fiore. 2012. Endocytosis and signaling: cell logistics shape the eukaryotic cell plan. *Physiol Rev*. 92:273-366

IF= 29.041 Citation=91

3. G. Scita and PP Di Fiore. The Endocytic Matrix.

Nature. Jan 28, 2010. IF= 42.351 Citation=287

4. Scita, G., Confalonieri, S., Lappalainen, P. & Suetsugu, S. IRSp53: crossing the road of membrane and actin dynamics in the formation of membrane protrusions.

Trends Cell Biol 18, 52-60 (2008). IF= 12.314 Citation=151

Tutte le Pubblicazioni

2017

109. Malinverno C., Corallino C., Giavazzi F., Bergert M., Li Q., Leoni M., Disanza, A., Frittoli E., Oldani A., Martini, E., Lendenmann T., De Florian G., Poulidakos D., ONG Kok Haur O., Uroz M., Trepas X., Parazzoli D., Maiuri P., Yu W., Ferrari A., Cerbino Scita G. Endocytic re-awakening of motility in jammed epithelia. 2017. Nature Materials. *In press*.

2016

108. Delage, E., D.C. Cervantes, E. Penard, C. Schmitt, S. Syan, A. Disanza, G. Scita, and C. Zurzolo. 2016. Differential identity of Filopodia and Tunneling Nanotubes revealed by the opposite functions of actin regulatory complexes. Scientific reports. 6:39632

107. Toffali, L., Montresor, A., Mirenda, M., Scita, G. & Laudanna, C. SOS1, ARHGEF1, and DOCK2 rho-GEFs Mediate JAK-Dependent LFA-1 Activation by Chemokines. *J Immunol* (2016). [Epub ahead of print].

106. Chepizhko, O., C. Giampietro, E. Mastrapasqua, M. Nourazar, M. Ascagni, M. Sugni, U. Fascio, L. Leggio, C. Malinverno, G. Scita, S. Santucci, M.J. Alava, S. Zapperi, and C.A. La Porta. 2016. Bursts of activity in collective cell migration. *Proc Natl Acad Sci U S A*. 113:11408-11413

105. Ballabeni, A., D. Hemenway, and G. Scita. 2016. Time to tackle the incumbency advantage in science: A survey of scientists shows strong support for funding policies that would distribute funds more evenly among laboratories and thereby benefit new and smaller research groups. *EMBO Rep*. 17, 1254-1256

104. Biondini, M., A. Sadou-Dubourgoux, P. Paul-Gilloteaux, G. Zago, M.D. Arslanhan, F. Waharte, E. Formstecher, M. Hertzog, J. Yu, R. Guerois, A. Gautreau, G. Scita, J. Camonis, and M.C. Parrini. 2016. Direct interaction between Exocyst and Wave complexes promotes cell protrusions and motility. *J Cell Sci*, **129**, 3756-3769.

103. Scita, G., C. Sorrentino, A. Boggio, D. Hemenway, and A. Ballabeni. 2016. Increasing the public health potential of basic research and the scientist satisfaction. An international survey of bioscientists. *F1000Res*. 5:56.

102. Kajiho H, Kajiho Y, Frittoli E, Confalonieri S, Bertalot G, Viale G, Di Fiore PP, Oldani A, Garre M, Beznoussenko GV, Palamidessi A, Vecchi M, Chavrier P, Perez F, **Scita G.** RAB2A controls MT1-MMP endocytic and E-cadherin polarized Golgi trafficking to promote invasive breast cancer programs. *EMBO Rep*. 2016 Jun 2. pii: e201642032. [Epub ahead of print]

2015

101. Giampietro, C., Disanza, A., Bravi, L., Barrios-Rodiles, M., Corada, M., Frittoli, E., Savorani, C., Lampugnani, M. G., Boggetti, B., Niessen, C., Wrana, J. L., Scita, G., and Dejana, E. (2015) The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. *J Cell Biol* pii: jcb.201501089. [Epub ahead of print]

G.S. and E.D. Co-corresponding authors

100. Cremaschi P, Oliverio M, Leva V, Bione S, Carriero R, Mazzucco G, Palamidessi A, Scita G, Biamonti G, Montecucco A (2015) Chronic Replication Problems Impact Cell Morphology and Adhesion of DNA Ligase I Defective Cells. *PLoS One* 10: e0130561

99. Linder S, Scita G (2015) RABGTPases in MT1-MMP trafficking and cell invasion: Physiology versus pathology. *Small GTPases* 6: 145-52

98. Corallino S, Malabarba MG, Zobel M, Di Fiore PP, Scita G. Epithelial-to-Mesenchymal Plasticity Harnesses Endocytic Circuitries. *Front Oncol.* 2015 Feb 26;5:45. doi: 10.3389/fonc.2015.00045. eCollection 2015. Review.

97. Disanza, A., and Scita, G. (2015). Nuclear and Cellular Plasticity: Nuclear RAC1 Takes Center Stage. *Dev Cell* 32, 261-263

96. Malet-Engra, G., Yu, W., Oldani, A., Rey-Barroso, J., Gov, N.S., Scita, G., and Dupre, L. (2015). Collective cell motility promotes chemotactic prowess and resistance to chemorepulsion. *Curr Biol* 25, 242-250.

G.S. and L.D Co-corresponding authors

2014

95. Rolland, Y., Marighetti, P., Malinverno, C., Confalonieri, S., Luise, C., Ducano, N., Palamidessi, A., Bisi, S., Kajiho, H., Troglio, F., *et al.* (2014). The CDC42-Interacting Protein 4 Controls Epithelial Cell Cohesion and Tumor Dissemination. *Dev Cell* 30, 553-568

94. Kumar, A., Mazzanti, M., Mistrik, M., Kosar, M., Beznoussenko, G.V., Mironov, A.A., Garre, M., Parazzoli, D., Shivashankar, G.V., Scita, G., *et al.* (2014). ATR mediates a checkpoint at the nuclear envelope in response to mechanical stress. *Cell* 158, 633-646.

93. Frittoli, E., Palamidessi, A., Marighetti, P., Confalonieri, S., Bianchi, F., Malinverno, C., Mazzarol, G., Viale, G., Martin-Padura, I., Garre, M., *et al.* (2014). A RAB5/RAB4 recycling circuitry induces a proteolytic invasive program and promotes tumor dissemination. *J Cell Biol* 206, 307-328.

92. Kast, D.J., Yang, C., Disanza, A., Boczkowska, M., Madasu, Y., Scita, G., Svitkina, T., and Dominguez, R. (2014b). Mechanism of IRSp53 inhibition and combinatorial activation by Cdc42 and downstream effectors. *Nat Struct Mol Biol* 21, 413-422

91. Maroni, P., P. Bendinelli, E. Matteucci, A. Locatelli, T. Nakamura, G. Scita, and M.A. Desiderio. 2014. Osteolytic bone metastasis is hampered by impinging on the interplay among autophagy, anoikis and ossification. *Cell death & disease*. 5:e1005.

2013

90. RN-tre controls focal adhesion turnover and cell migration.

A. Palamidessi, E. Frittoli, N. Ducano, N. Offenhauser, S. Sigismund, H. Kajiho, D. Parazzoli, A. Oldani, M Gobbi, G. Serini, P. P.Di Fiore, Giorgio Scita and L. Lanzetti. *Curr Bio.* 2013. *Curr Bio.* 2013. Dec 2;23(23):2355-64.

G.S. and L.L. Co-corresponding author

89. *LIN7-IRSp53: A novel pathway for filopodia and neurite formation.* Ferrari I, Crespi A, Scita G,

Pietrini G.

Commun Integr Biol. 2012 Nov 1;5(6):631-3. doi: 10.4161/cib.21686

88. L-Proline induces a mesenchymal-like invasive program in embryonic stem cells by remodeling H3K9 and H3K36 methylation. S. Comes, M. Gagliardi, N. Laprano, A. Cimmino, A. Palamidessi, A. Fico, D. De Cesare, S. De Falco, C. Angelini, **G. Scita**, E. J. Patriarca, M.R. Matarazzo and G. Minchiotti

[Stem Cell Reports](#). 2013 Oct 10;1(4):307-21.

87. Disanza A., Bisi S, Winterhoff, M. Milanese, F., Ushakov, D.S., Kast, D., Marighetti, P., Romet-Lemonne, G., Müller, H_M., Nickel W., Linkner, J., Waterschoot, D., Ampè, C., Cortellino, S., Palamidessi, A., Dominguez, R., Carlier, M-F., Faix J., and Scita G.. CDC42 switches IRSp53 from inhibition of actin growth to elongation by clustering of VASP. *EMBO J. Oct 16;32(20):2735-50.*

86. Bisi, S., Disanza, A., Malinverno, C., Frittoli, E., Palamidessi, A., Scita, G., 2013. Membrane and actin dynamics interplay at lamellipodia leading edge. *Current opinion in cell biology*. 2013 Oct;25(5):565-73

85. Malet-Engra, G., Viaud, J., Ysebaert, L., Farce, M., Lafouresse, F., Laurent, G., Gaits-Iacovoni, F., Scita, G., Dupre, L., 2013. CIP4 controls CCL19-driven cell steering and chemotaxis in chronic lymphocytic leukemia. *Cancer research*. 73:3412-3424

84. Menna, E., Zambetti, S., Morini, R., Donzelli, A., Disanza, A., Calvigioni, D., Braida, D., Nicolini, C., Orlando, M., Fossati, G., Cristina Regondi, M., Pattini, L., Frassoni, C., Francolini, M., Scita, G., Sala, M., Fahnestock, M., Matteoli, M., 2013. Eps8 controls dendritic spine density and synaptic plasticity through its actin-capping activity. *EMBO J.* 32:1730-1744.

83. SCFFbxw5 mediates transient degradation of actin remodeler Eps8 to allow proper mitotic progression. Achim Werner, Andrea Disanza, Nina Reifemberger, Gregor Habeck, Janina Becker, Matthew Calabrese, Henning Urlaub, Holger Lorenz, Brenda Schulman, Giorgio Scita, Frauke Melchior. *Nature cell biology*. 15:179-188. 2013.

2012

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