

Giuseppe Macino

Bibliografia

Della Chiara G, et al., Macino G, et al. Pagani M. (2021) Epigenomic landscape of human colorectal cancer unveils an aberrant core of pan-cancer enhancers orchestrated by YAP/TAZ  
*Nature communications* 12 2340

López-Tobón A, et al., Macino G, et al., Testa G. (2019) Human cortical organoids expose a differential function of GSK3 on cortical neurogenesis. *Stem Cell Reports* 13 847-861.

Verduci, L., Ferraiuolo, M., Sacconi, A., Ganci, F., Vitale, J., Colombo, T., Paci, P., Strano, S., Macino, G., Rajewsky, N., Blandino, G.  
The oncogenic role of circPVT1 in head and neck squamous cell carcinoma is mediated through the mutant p53/YAP/TEAD transcription-competent complex  
(2017) *Genome Biology*, 18 (1), art. no. 237,

Gioiosa, S., Verduci, L., Azzalin, G., Carissimi, C., Fulci, V., Macino, G.  
Microarray dataset of Jurkat cells following miR-93 over-expression  
(2016) *Data in Brief*, 8, pp. 575-578.

Carissimi, C., Colombo, T., Azzalin, G., Cipolletta, E., Laudadio, I., Macino, G., Fulci, V.  
Comprehensive RNA dataset of AGO2 associated RNAs in Jurkat cells following miR-21 over-expression  
(2016) *Data in Brief*, 7, pp. 604-606.

Krell, J., Stebbing, J., Carissimi, C., Dabrowska, A.F., Giorgio, A.D., Frampton, A.E., Harding, V., Fulci, V., Macino, G., Colombo, T., Castellano, L.  
TP53 regulates miRNA association with AGO2 to remodel the miRNA-mRNA interaction network  
(2016) *Genome Research*, 26 (3), pp. 331-341.

Colombo, T., Farina, L., Macino, G., Paci, P.  
PVT1: A rising star among oncogenic long noncoding RNAs  
(2015) *BioMed Research International*, 2015, art. no. 304208, .

Verduci, L., Azzalin, G., Gioiosa, S., Carissimi, C., Laudadio, I., Fulci, V., Macino, G.  
MicroRNA-181a enhances cell proliferation in acute lymphoblastic leukemia by targeting EGR1  
(2015) *Leukemia Research*, 39 (4), pp. 479-485.

Carissimi, C., Laudadio, I., Cipolletta, E., Gioiosa, S., Mihailovich, M., Bonaldi, T., Macino, G., Fulci, V.  
ARGONAUTE2 cooperates with SWI/SNF complex to determine nucleosome occupancy at human Transcription Start Sites  
(2015) *Nucleic Acids Research*, 43 (3), pp. 1498-1512.

Tavolaro, S., Colombo, T., Chiaretti, S., Peragine, N., Fulci, V., Ricciardi, M.R., Messina, M., Bonina, S., Brugnoletti, F., Marinelli, M., Di Maio, V., Mauro, F.R., Del Giudice, I., Macino, G., Foà, R., Guarini, A.

Increased chronic lymphocytic leukemia proliferation upon IgM stimulation is sustained by the upregulation of miR-132 and miR-212  
(2015) *Genes Chromosomes and Cancer*, 54 (4), pp. 222-234.

Sturchio, E., Colombo, T., Boccia, P., Carucci, N., Meconi, C., Minoia, C., Macino, G.  
Arsenic exposure triggers a shift in microRNA expression  
(2014) *Science of the Total Environment*, 472, pp. 672-680.

Carissimi, C., Carucci, N., Colombo, T., Piconese, S., Azzalin, G., Cipolletta, E., Citarella, F., Barnaba, V., Macino, G., Fulci, V.  
MiR-21 is a negative modulator of T-cell activation  
(2014) *Biochimie*, 107 (PB), pp. 319-326.

Sturchio, E., Colombo, T., Carucci, N., Meconi, C., Boccia, P., Macino, G.  
Molecular biomarkers in workers and population exposed to inorganic Arsenic: Preliminary study in vitro [Biomarcatori molecolari in lavoratori professionalmente esposti ad Arsenico inorganico e nella popolazione generale: Studio preliminare in vitro]  
(2012) *Giornale Italiano di Medicina del Lavoro ed Ergonomia*, 34 (3), pp. 678-681.

Sebastiani, G.D., Fulci, V., Niccolini, S., Giannitti, C., Bugatti, S., Minisola, G., Barnaba, V., Scappucci, G., Macino, G., Galeazzi, M.  
Over-expression of miR-223 in T-lymphocytes of early rheumatoid arthritis patients  
(2011) *Clinical and Experimental Rheumatology*, 29 (6), pp. 1058-1059.

Di Masi, A., Viganotti, M., Antoccia, A., Magrelli, A., Salvatore, M., Azzalin, G., Tosto, F., Lorenzetti, S., Maranghi, F., Mantovani, A., Macino, G., Tanzarella, C., Taruscio, D.  
Characterization of HUH6, HEP3B, HEPG2 and HLE liver cancer cell lines by WNT/Q- catenin pathway, microrna expression and protein expression profile  
(2010) *Cellular and Molecular Biology*, 56 (SUPPL.1), pp. OL1299-OL1317.

Cocco, E., Paladini, F., Macino, G., Fulci, V., Fiorillo, M.T., Sorrentino, R.  
The expression of vasoactive intestinal peptide receptor 1 is negatively modulated by microRNA 525-5p  
(2010) *PLoS ONE*, 5 (8), art. no. e12067, .

Maranghi, F., Lorenzetti, S., Tassinari, R., Moracci, G., Tassinari, V., Marcoccia, D., Di Virgilio, A., Eusepi, A., Romeo, A., Magrelli, A., Salvatore, M., Tosto, F., Viganotti, M., Antoccia, A., Di Masi, A., Azzalin, G., Tanzarella, C., Macino, G., Taruscio, D., Mantovani, A.  
In utero exposure to di-(2-ethylhexyl) phthalate affects liver morphology and metabolism in post-natal CD-1 mice  
(2010) *Reproductive Toxicology*, 29 (4), pp. 427-432.

Fulci, V., Scappucci, G., Sebastiani, G.D., Giannitti, C., Franceschini, D., Meloni, F., Colombo, T., Citarella, F., Barnaba, V., Minisola, G., Galeazzi, M., Macino, G.  
miR-223 is overexpressed in T-lymphocytes of patients affected by rheumatoid arthritis  
(2010) *Human Immunology*, 71 (2), pp. 206-211.

Curtale, G., Citarella, F., Carissimi, C., Goldoni, M., Carucci, N., Fulci, V., Franceschini, D., Meloni, F., Barnaba, V., Macino, G.

An emerging player in the adaptive immune response: MicroRNA-146a is a modulator of IL-2 expression and activation-induced cell death in T lymphocytes  
(2010) *Blood*, 115 (2), pp. 265-273.

Fulci, V., Colombo, T., Chiaretti, S., Messina, M., Citarella, F., Tavolaro, S., Guarini, A., Foà, R., Macino, G.

Characterization of B- and T-lineage acute lymphoblastic leukemia by integrated analysis of microRNA and mRNA expression profiles  
(2009) *Genes Chromosomes and Cancer*, 48 (12), pp. 1069-1082.

Carissimi, C., Fulci, V., Macino, G.

MicroRNAs: Novel regulators of immunity  
(2009) *Autoimmunity Reviews*, 8 (6), pp. 520-524.

Magrelli, A., Azzalin, G., Salvatore, M., Viganotti, M., Tosto, F., Colombo, T., Devito, R., Di Masi, A., Antoccia, A., Lorenzetti, S., Maranghi, F., Mantovani, A., Tanzarella, C., Macino, G., Taruscio, D.

Altered microRNA expression patterns in hepatoblastoma patients  
(2009) *Translational Oncology*, 2 (3), pp. 157-163.

Melino, G., Nicotera, P., Macino, G.

In the beginning there was RNA, then came transcription regulation: The Nobel Prize Lectures 2006  
(2007) *Cell Death and Differentiation*, 14 (12), pp. 1975-1976.

Landgraf, P., Rusu, M., Sheridan, R., Sewer, A., Iovino, N., Aravin, A., Pfeffer, S., Rice, A., Kamphorst, A.O., Landthaler, M., Lin, C., Socci, N.D., Hermida, L., Fulci, V., Chiaretti, S., Foà, R., Schliwka, J., Fuchs, U., Novosel, A., Müller, R.-U., Schermer, B., Bissels, U., Inman, J., Phan, Q., Chien, M., Weir, D.B., Choksi, R., De Vita, G., Frezzetti, D., Trompeter, H.-I., Hornung, V., Teng, G., Hartmann, G., Palkovits, M., Di Lauro, R., Wernet, P., Macino, G., Rogler, C.E., Nagle, J.W., Ju, J., Papavasiliou, F.N., Benzing, T., Lichter, P., Tam, W., Brownstein, M.J., Bosio, A., Borkhardt, A., Russo, J.J., Sander, C., Zavolan, M., Tuschl, T.

A Mammalian microRNA Expression Atlas Based on Small RNA Library Sequencing  
(2007) *Cell*, 129 (7), pp. 1401-1414.

Fulci, V., Chiaretti, S., Goldoni, M., Azzalin, G., Carucci, N., Tavolaro, S., Castellano, L., Magrelli, A., Citarella, F., Messina, M., Maggio, R., Peragine, N., Santangelo, S., Mauro, F.R., Landgraf, P., Tuschl, T., Weir, D.B., Chien, M., Russo, J.J., Ju, J., Sheridan, R., Sander, C., Zavolan, M., Guarini, A., Foà, R., Macino, G.

Quantitative technologies establish a novel microRNA profile of chronic lymphocytic leukemia  
(2007) *Blood*, 109 (11), pp. 4944-4951.

Fulci, V., Macino, G.

Quelling: post-transcriptional gene silencing guided by small RNAs in *Neurospora crassa*  
(2007) *Current Opinion in Microbiology*, 10 (2), pp. 199-203.

Franchi, L., Macino, G.

In vitro phosphorylation and kinase assays in *Neurospora crassa*  
(2007) *Methods in Molecular Biology*, 362, pp. 407-412.

- Sood, P., Krek, A., Zavolan, M., Macino, G., Rajewsky, N.  
Cell-type-specific signatures of microRNAs on target mRNA expression  
(2006) *Proceedings of the National Academy of Sciences of the United States of America*, 103 (8), pp. 2746-2751.
- Pickford, A., Macino, G.  
Gene silencing as a tool for the identification of gene function in fungi  
(2005) *Applied Mycology and Biotechnology*, 5 (C), pp. 93-116.
- Nolan, T., Braccini, L., Azzalin, G., De Toni, A., Macino, G., Cogoni, C.  
The post-transcriptional gene silencing machinery functions independently of DNA methylation to repress a LINE1-like retrotransposon in *Neurospora crassa*  
(2005) *Nucleic Acids Research*, 33 (5), pp. 1564-1573.
- Chicas, A., Forrest, E.C., Sepich, S., Cogoni, C., Macino, G.  
Small interfering RNAs that trigger posttranscriptional gene silencing are not required for the histone H3 Lys9 methylation necessary for transgenic tandem repeat stabilization in *Neurospora crassa*  
(2005) *Molecular and Cellular Biology*, 25 (9), pp. 3793-3801.
- Franchi, L., Fulci, V., Macino, G.  
Protein kinase C modulates light responses in *Neurospora* by regulating the blue light photoreceptor WC-1  
(2005) *Molecular Microbiology*, 56 (2), pp. 334-345.
- Goldoni, M., Azzalin, G., Macino, G., Cogoni, C.  
Efficient gene silencing by expression of double stranded RNA in *Neurospora crassa*  
(2004) *Fungal Genetics and Biology*, 41 (11), pp. 1016-1024.
- Chicas, A., Cogoni, C., Macino, G.  
RNAi-dependent and RNAi-independent mechanisms contribute to the silencing of RIPed sequences in *Neurospora crassa*  
(2004) *Nucleic Acids Research*, 32 (14), pp. 4237-4243.
- Forrest, E.C., Cogoni, C., Macino, G.  
The RNA-dependent RNA polymerase, QDE-1, is a rate-limiting factor in post-transcriptional gene silencing in *Neurospora crassa*  
(2004) *Nucleic Acids Research*, 32 (7), pp. 2123-2128.
- Ambra, R., Grimaldi, B., Zamboni, S., Filetici, P., Macino, G., Ballario, P.  
Photomorphogenesis in the hypogeous fungus *Tuber borchii*: Isolation and characterization of Tbw-1, the homologue of the blue-light photoreceptor of *Neurospora crassa*  
(2004) *Fungal Genetics and Biology*, 41 (7), pp. 688-697.
- Catalanotto, C., Pallotta, M., ReFalo, P., Sachs, M.S., Vayssie, L., Macino, G., Cogoni, C.  
Redundancy of the Two Dicer Genes in Transgene-Induced Posttranscriptional Gene Silencing in *Neurospora crassa*  
(2004) *Molecular and Cellular Biology*, 24 (6), pp. 2536-2545.

Galagan, J.E., Calvo, S.E., Borkovich, K.A., Selker, E.U., Read, N.O., Jaffe, D., FitzHugh, W., Ma, L.-J., Smirnov, S., Purcell, S., Rehman, B., Elkins, T., Engels, R., Wang, S., Nielsen, C.B., Butler, J., Endrizzi, M., Qui, D., Ianakiev, P., Bell-Pedersen, D., Nelson, M.A., Werner-Washburne, M., Selitrennikoff, C.P., Kinsey, J.A., Braun, E.L., Zelter, A., Schulte, U., Kothe, G.O., Jedd, G., Mewes, W., Staben, C., Marcotte, E., Greenberg, D., Roy, A., Foley, K., Naylor, J., Stange-Thomann, N., Barrett, R., Gnerre, S., Kamal, M., Kamvysselis, M., Mauceli, E., Bielke, C., Rudd, S., Frishman, D., Krystofova, S., Rasmussen, C., Metzenberg, R.L., Perkins, D.D., Kroken, S., Cogoni, C., Macino, G., Catcheside, D., Li, W., Pratt, R.J., Osmani, S.A., DeSouza, C.P.C., Glass, L., Orbach, M.J., Berglund, J.A., Voelker, R., Yarden, O., Plamann, M., Seiler, S., Dunlap, J., Radford, A., Aramayo, R., Natvig, D.O., Alex, L.A., Mannhaupt, G., Ebbole, D.J., Freitag, M., Paulsen, I., Sachs, M.S., Lander, E.S., Nusbaum, C., Birren, B.

The genome sequence of the filamentous fungus *Neurospora crassa*  
(2003) *Nature*, 422 (6934), pp. 859-868.

Pickford, A., Braccini, L., Macino, G., Cogoni, C.

The QDE-3 homologue RecQ-2 co-operates with QDE-3 in DNA repair in *Neurospora crassa*  
(2003) *Current Genetics*, 42 (4), pp. 220-227.

Pickford, A.S., Catalanotto, C., Cogoni, C., Macino, G.

9 Quelling in *Neurospora crassa*  
(2002) *Advances in Genetics*, 46, pp. 277-303.

Catalanotto, C., Azzalin, G., Macino, G., Cogoni, C.

Involvement of small RNAs and role of the *qde* genes in the gene silencing pathway in *Neurospora*  
(2002) *Genes and Development*, 16 (7), pp. 790-795.

Chicas, A., Macino, G.

Characteristics of post-transcriptional gene silencing  
(2001) *EMBO Reports*, 2 (11), pp. 992-996.

Morrow, M., Franchi, L., Dragovic, Z., Görl, M., Johnson, J., Brunner, M., Macino, G., Roenneberg, T.

Circadian regulation of the light input pathway in *Neurospora crassa*  
(2001) *EMBO Journal*, 20 (3), pp. 307-315.

Morrow, M., Roenneberg, T., Macino, G., Franchi, L.

A fungus among us: The *Neurospora crassa* circadian system  
(2001) *Seminars in Cell and Developmental Biology*, 12 (4), pp. 279-285.

Handa, N., Noguchi, Y., Sakuraba, Y., Ballario, P., Macino, G., Fujimoto, N., Ishii, C., Inoue, H.

Characterization of the *Neurospora crassa* mus-25 mutant: The gene encodes a protein which is homologous to the *Saccharomyces cerevisiae* Rad54 protein  
(2000) *Molecular and General Genetics*, 264 (1-2), pp. 154-163.

Ambra, R., Macino, G.

Cloning and characterization of PKC-homologous genes in the truffle species *Tuber borchii* and *Tuber magnatum*  
(2000) *FEMS Microbiology Letters*, 189 (1), pp. 45-53.

Zordan, M., Costa, R., Macino, G., Fukuhara, C., Tosini, G.  
Circadian clocks: What makes them tick?  
(2000) *Chronobiology International*, 17 (4), pp. 433-451.

Catalanotto, C., Azzalin, G., Macino, G., Cogoni, C.  
Gene silencing in worms and fungi  
(2000) *Nature*, 404 (6775), p. 245.

Cogoni, C., Macino, G.  
Post-transcriptional gene silencing across kingdoms  
(2000) *Current Opinion in Genetics and Development*, 10 (6), pp. 638-643.

Cogoni, C., Macino, G.  
Posttranscriptional gene silencing in *Neurospora* by a RecQ DNA helicase  
(1999) *Science*, 286 (5448), pp. 2342-2344.

Cogoni, C., Macino, G.  
Homology-dependent gene silencing in plants and fungi: A number of variations on the same theme  
(1999) *Current Opinion in Microbiology*, 2 (6), pp. 657-662.

Linden, H., Ballario, P., Arpaia, G., Macino, G.  
2 Seeing the Light: News in *Neurospora* Blue Light Signal Transduction  
(1999) *Advances in Genetics*, 41 (C), pp. 35-54.

Arpaia, G., Cerri, F., Baima, S., Macino, G.  
Involvement of protein kinase C in the response of *Neurospora crassa* to blue light  
(1999) *Molecular and General Genetics*, 262 (2), pp. 314-322.

Talora, C., Franchi, L., Linden, H., Ballario, P., Macino, G.  
Role of a white collar-1-white collar-2 complex in blue-light signal transduction  
(1999) *EMBO Journal*, 18 (18), pp. 4961-4968.

Cogoni, C., Macino, G.  
Gene silencing in *Neurospora crassa* requires a protein homologous to RNA-dependent RNA polymerase  
(1999) *Nature*, 399 (6732), pp. 166-169.

Ballario, P., Talora, C., Galli, D., Linden, H., Macino, G.  
Roles in dimerization and blue light photoresponse of the PAS and LOV domains of *Neurospora crassa* white collar proteins  
(1998) *Molecular Microbiology*, 29 (3), pp. 719-729.

De Bellis, R., Agostini, D., Piccoli, G., Vallorani, L., Potenza, L., Polidori, E., Sisti, D., Amoresano, A., Pucci, P., Arpaia, G., Macino, G., Balestrini, R., Bonfante, P., Stocchi, V.  
The *tbf-1* gene from the white truffle *Tuber borchii* codes for a structural cell wall protein specifically expressed in fruitbody  
(1998) *Fungal Genetics and Biology*, 25 (2), pp. 87-99.

Quondam, M., Barbato, C., Pickford, A., Helmer-Citterich, M., Macino, G.  
Homology modeling of *Neurospora crassa* geranylgeranyl pyrophosphate synthase: Structural interpretation of mutant phenotypes  
(1997) *Protein Engineering*, 10 (9), pp. 1047-1055.

Cogoni, C., Macino, G.  
Conservation of transgene-induced post-transcriptional gene silencing in plants and fungi  
(1997) *Trends in Plant Science*, 2 (11), pp. 438-443.

Ballario, P., Macino, G.  
White collar proteins: PASsing the light signal in *Neurospora crassa*  
(1997) *Trends in Microbiology*, 5 (11), pp. 458-462.

Cogoni, C., Macino, G.  
Isolation of quelling-defective (*qde*) mutants impaired in posttranscriptional transgene-induced gene silencing in *Neurospora crassa*  
(1997) *Proceedings of the National Academy of Sciences of the United States of America*, 94 (19), pp. 10233-10238.

Linden, H., Rodriguez-Franco, M., Macino, G.  
Mutants of *Neurospora crassa* defective in regulation of blue light perception  
(1997) *Molecular and General Genetics*, 254 (2), pp. 111-118.

Linden, H., Macino, G.  
White collar 2, a partner in blue-light signal transduction, controlling expression of light-regulated genes in *Neurospora crassa*  
(1997) *EMBO Journal*, 16 (1), pp. 98-109.

Linden, H., Ballario, P., Macino, G.  
Blue light regulation in *Neurospora crassa*  
(1997) *Fungal Genetics and Biology*, 22 (3), pp. 141-150.

Barbato, C., Calissano, M., Pickford, A., Romano, N., Sandmann, G., Macino, G.  
Mild RIP - An alternative method for in vivo mutagenesis of the *albino-3* gene in *Neurospora crassa*  
(1996) *Molecular and General Genetics*, 252 (4), pp. 353-361.

Homann, V., Mende, K., Arntz, C., Ilardi, V., Macino, G., Morelli, G., Böse, G., Tudzynski, B.  
The isoprenoid pathway: Cloning and characterization of fungal FPPS genes  
(1996) *Current Genetics*, 30 (3), pp. 232-239.

Cogoni, C., Irelan, J.T., Schumacher, M., Schmidhauser, T.J., Selker, E.U., Macino, G.  
Transgene silencing of the *al-1* gene in vegetative cells of *neurospora* is mediated by a cytoplasmic effector and does not depend on DNA-DNA interactions or DNA methylation  
(1996) *EMBO Journal*, 15 (12), pp. 3153-3163.

Ballario, P., Vittorioso, P., Magrelli, A., Talora, C., Cabibbo, A., Macino, G.  
White collar-1, a central regulator of blue light responses in *Neurospora*, is a zinc finger protein

(1996) EMBO Journal, 15 (7), pp. 1650-1657.

Carattoli, A., Kato, E., Rodriguez-Franco, M., Stuart, W.D., Macino, G.

A chimeric light-regulated amino acid transport system allows the isolation of blue light regulator (blr) mutants of *Neurospora crassa*

(1995) Proceedings of the National Academy of Sciences of the United States of America, 92 (14), pp. 6612-6616.

Arpaia, G., Loros, J.J., Dunlap, J.C., Morelli, G., Macino, G.

Light induction of the clock-controlled gene *cgc-1* is not transduced through the circadian clock in *Neurospora crassa*

(1995) MGG Molecular & General Genetics, 247 (2), pp. 157-163.

Abpaia, G., Carattoli, A., Macino, G.

Light and development regulate the expression of the Albino-3 gene in *Neurospora crassa*

(1995) Developmental Biology, 170 (2), pp. 626-635.

Cogoni, C., Valenzuela, L., Gonzalez-Halphen, D., Olivera, H., Macino, G., Ballario, P., Gonzalez, A.

*Saccharomyces cerevisiae* has a single glutamate synthase gene coding for a plant-like high-molecular-weight polypeptide

(1995) Journal of Bacteriology, 177 (3), pp. 792-798.

Vittorioso, P., Carattoli, A., Londei, P., Macino, G.

Internal translational initiation in the mRNA from the *Neurospora crassa* albino-3 gene

(1994) Journal of Biological Chemistry, 269 (43), pp. 26650-26654.

Cogoni, C., Romano, N., Macino, G.

Suppression of gene expression by homologous transgenes

(1994) Antonie van Leeuwenhoek, 65 (3), pp. 205-209.

Carattoli, A., Cogoni, C., Morelli, G., Macino, G.

Molecular characterization of upstream regulatory sequences controlling the photoinduced expression of the albino-3 gene of *Neurospora crassa*

(1994) Molecular Microbiology, 13 (5), pp. 787-795.

Morelli, G., Nelson, M.A., Ballario, P., Macino, G.

Photoregulated Carotenoid Biosynthetic Genes of *Neurospora crassa*

(1993) Methods in Enzymology, 214 (C), pp. 412-424.

Arpaia, G., Loros, J.J., Dunlap, J.C., Morelli, G., Macino, G.

The interplay of light and the circadian clock: Independent dual regulation of clock-controlled gene *cgc-2(eas)*

(1993) Plant Physiology, 102 (4), pp. 1299-1305.

Sandmann, G., Misawa, N., Wiedemann, M., Vittorioso, P., Carattoli, A., Morelli, G., Macino, G.

Functional identification of *al-3* from *Neurospora crassa* as the gene for geranylgeranyl pyrophosphate synthase by complementation with *crt* genes, in vitro characterization of the gene product and mutant analysis



(1993) *Journal of Photochemistry and Photobiology, B: Biology*, 18 (2-3), pp. 245-251.

Baima, S., Carattoli, A., Macino, G., Morelli, G.

Photoinduction of albino-3 gene expression in *Neurospora crassa* conidia

(1992) *Journal of Photochemistry and Photobiology, B: Biology*, 15 (3), pp. 233-238.

Romano, N., Macino, G.

Quelling: transient inactivation of gene expression in *Neurospora crassa* by transformation with homologous sequences

(1992) *Molecular Microbiology*, 6 (22), pp. 3343-3353.

González, A., Membrillo-Hernández, J., Olivera, H., Aranda, C., Macino, G., Ballario, P.

Cloning of a yeast gene coding for the glutamate synthase small subunit (GUS2) by complementation of *Saccharomyces cerevisiae* and *Escherichia coli* glutamate auxotrophs

(1992) *Molecular Microbiology*, 6 (3), pp. 301-308.

Carattoli, A., Romano, N., Ballario, P., Morelli, G., Macino, G.

The *Neurospora crassa* carotenoid biosynthetic gene (albino 3) reveals highly conserved regions among prenyltransferases

(1991) *Journal of Biological Chemistry*, 266 (9), pp. 5854-5859.

Baima, S., Macino, G., Morelli, G.

Photoregulation of the albino-3 gene in *Neurospora crassa*

(1991) *Journal of Photochemistry and Photobiology, B: Biology*, 11 (2), pp. 107-115.

Amati, P., Cammarano, P., Fantoni, A., Macino, G.

Trouble at Rome University [9]

(1990) *Nature*, 345 (6277), p. 658.

Nelson, M.A., Morelli, G., Carattoli, A., Romano, N., Macino, G.

Molecular cloning of a *Neurospora crassa* carotenoid biosynthetic gene (albino-3) regulated by blue light and the products of the white collar genes.

(1989) *Molecular and cellular biology*, 9 (3), pp. 1271-1276.

Nelson, M.A., Macino, G.

Structure and expression of the overlapping ND4L and ND5 genes of *Neurospora crassa* mitochondria

(1987) *MGG Molecular & General Genetics*, 206 (2), pp. 307-317.

Nelson, M.A., Macino, G.

Three class I introns in the ND4L/ND5 transcriptional unit of *Neurospora crassa* mitochondria

(1987) *MGG Molecular & General Genetics*, 206 (2), pp. 318-325.

Burger, G., Helmer Citterich, M., Nelson, M.A., Werner, S., Macino, G.

RNA processing in *Neurospora crassa* mitochondria: transfer RNAs punctuate a large precursor transcript.

(1985) *EMBO Journal*, 4 (1), pp. 197-204.

Morelli, G., Macino, G.

Two intervening sequences in the ATPase subunit 6 gene of *Neurospora crassa*. A short intron (93 base-pairs) and a long intron that is stable after excision  
(1984) *Journal of Molecular Biology*, 178 (3), pp. 491-507.

Thalenfeld, B.E., Bonitz, S.G., Nobrega, F.G., Macino, G., Tzagoloff, A.  
oli1 Transcripts in wild type and in a cytoplasmic "petite" mutant of yeast.  
(1983) *Journal of Biological Chemistry*, 258 (23), pp. 14065-14068.

Helmer-Citterich, M., Morelli, G., Macino, G.  
Nucleotide sequence and intron structure of the apocytochrome b gene of *Neurospora crassa* mitochondria.  
(1983) *EMBO Journal*, 2 (8), pp. 1235-1242.

Macino, G., Morelli, G.  
Cytochrome oxidase subunit 2 gene in *Neurospora crassa* mitochondria.  
(1983) *Journal of Biological Chemistry*, 258 (21), pp. 13230-13235.

Simeone, A., Falco, A.D., Macino, G., Boncinelli, E.  
Sequence organization of the ribosomal spacer of *D.melanogaster*  
(1982) *Nucleic Acids Research*, 10 (24), pp. 8263-8272.

Bonitz, S.G., Coruzzi, G., Thalenfeld, B.E., Tzagoloff, A., Macino, G.  
Assembly of the mitochondrial membrane system. Structure and nucleotide sequence of the gene coding for subunit 1 of yeast cytochrome oxidase.  
(1980) *Journal of Biological Chemistry*, 255 (24), pp. 11927-11941.

Bonitz, S.G., Berlani, R., Coruzzi, G., Li, M., Macino, G., Nobrega, F.G., Nobrega, M.P., Thalenfeld, B.E., Tzagoloff, A.  
Codon recognition rules in yeast mitochondria  
(1980) *Proceedings of the National Academy of Sciences of the United States of America*, 77 (6 I), pp. 3167-3170.

Macino, G., Scazzocchio, C., Waring, R.B., Berks, M.M., Wayne Davies, R.  
Conservation and rearrangement of mitochondrial structural gene sequences  
(1980) *Nature*, 288 (5789), pp. 404-406.

Bonitz, S.G., Coruzzi, G., Thalenfeld, B.E., Tzagoloff, A., Macino, G.  
Assembly of the mitochondrial membrane system. Physical map of the oxi3 locus of yeast mitochondrial DNA  
(1980) *Journal of Biological Chemistry*, 255 (24), pp. 11922-11926.

Macino, G.  
Mapping of mitochondrial structural genes in *Neurospora crassa*.  
(1980) *Journal of Biological Chemistry*, 255 (22), pp. 10563-10565.

Tzagoloff, A., Nobrega, M., Akail, A., Macino, G.  
Assembly of the mitochondrial membrane system. Organization of yeast mitochondrial DNA in the Oli1 region  
(1980) *Current Genetics*, 2 (2), pp. 149-157.

Macino, G., Tzagoloff, A.

Assembly of the mitochondrial membrane system: Sequence analysis of a yeast mitochondrial ATPase gene containing the oli-2 and oli-4 loci

(1980) *Cell*, 20 (2), pp. 507-517.

Berlani, R.E., Pentella, C., Macino, G., Tzagoloff, A.

Assembly of the mitochondrial membrane system: Isolation of mitochondrial transfer ribonucleic acid mutants and characterization of transfer ribonucleic acid genes of *Saccharomyces cerevisiae*

(1980) *Journal of Bacteriology*, 141 (3), pp. 1086-1097.

Macino, G., Coruzzi, G., Nobrega, F.G., Li, M., Tzagoloff, A.

Use of the UGA terminator as a tryptophan codon in yeast mitochondria

(1979) *Proceedings of the National Academy of Sciences of the United States of America*, 76 (8), pp. 3784-3785.

Tzagoloff, A., Macino, G., Sebald, W.

Mitochondrial genes and translation products

(1979) *Annual Review of Biochemistry*, Vol. 48, pp. 419-441.

Macino, G., Tzagoloff, A.

Assembly of the mitochondrial membrane system: Partial sequence of a mitochondrial ATPase gene in *Saccharomyces cerevisiae*

(1979) *Proceedings of the National Academy of Sciences of the United States of America*, 76 (1), pp. 131-135.

Macino, G., Tzagoloff, A.

Assembly of the mitochondrial membrane system - Two separate genes coding for threonyl-tRNA in the mitochondrial DNA of *Saccharomyces cerevisiae*

(1979) *MGG Molecular & General Genetics*, 169 (2), pp. 183-188.

Macino, G., Tzagoloff, A.

Assembly of the mitochondrial membrane system. The DNA sequence of a mitochondrial ATPase gene in *Saccharomyces cerevisiae*

(1979) *Journal of Biological Chemistry*, 254 (11), pp. 4617-4623.

Trembath, M.K., Macino, G., Tzagoloff, A.

The mapping of mutations in tRNA and cytochrome oxidase genes located in the cap-par segment of the mitochondrial genome of *S. cerevisiae*

(1977) *MGG Molecular & General Genetics*, 158 (1), pp. 35-45.

Baldacci, G., Carnevali, F., Frontali, L., Leoni, L., Macino, G., Palleschi, C.

Heterogeneity of mitochondrial DNA from *saccharomyces cerevisiae* and genetic information for tRNA

(1975) *Nucleic Acids Research*, 2 (10), pp. 1777-1786.

Carnevali, F., Falcone, C., Frontali, L., Leoni, L., Macino, G., Palleschi, C.

Informational content of mitochondrial DNA from a "low density" petite mutant of yeast

(1973) *Biochemical and Biophysical Research Communications*, 51 (3), p