PERSONAL INFORMATION

Nunzio Del Gaudio

[All CV headings are optional. Remove any empty headings.]

Nunzio.delgaudio@unicampania.it

[Select you current working level]

Enterprise	University	EPR
☐ Management Level	☐ Full professor	☐ Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
☐ Mid-Management Level	☐ Associate Professor	☐ Level III Researcher and Technologist
☐ Employee / worker level	☒ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	☐ Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

[Add separate entries for each experience. Start from the most recent.]

22/07/2019–to date

Researcher (lett. A)

University of Campania "L. Vanvitelli", Naples (Italy)

- Co-coordinator of projects concerning Epitranscrittomics, genomics and cancer

Business or sector Cancer epigenomics and epitranscriptomics

01/03/2018 to 21/07/2019

Postdoc

Center for Genomic Science - Italian Institute of Technology, Milan (Italy)

- Project: m6A-dependent RNA dynamics and their alteration in cancer

Business or sector Molecular biology and genomics

15/05/2017–28/02/2018

Postdoc

University of Campania "L. Vanvitelli", Napoli (Italy)

- Project: Identification and characterization of novel epigenetic targets with a role in the establishment and/or maintenance of human acute myeloid leukemia

Business or sector Cancer epigenetics

01/11/2013–31/10/2016

PhD student

University of Campania "L. Vanvitelli", Napoli (Italy)

- Project: Identification and validation of novel epigenetic targets involved in human acute myeloid leukemia

Business or sector Cancer epigenetics

01/04/2016–31/07/2016

Visiting PhD student

RadBoud University, Nijmegen (The Netherlands)

- Project: Identification of new target interactors by mass spectrometry-based interaction proteomics

Business or sector Proteomics and genomics

EDUCATION AND TRAINING

[Add separate entries for each course. Start from the most recent.]

17/12/2016

PhD in "Biochemistry and Biotechnology"

Level 8

University of Campania "L. Vanvitelli", Napoli (Italy)

- Stable and transient cell transfection, retrovirus and lentivirus production and transduction.
- Proliferation assay (soft agar, clonogenic assay), apoptosis assays (annexin V and tunel assay), caspase activity and membrane integrity (LDH), cell viability assay (MTT), reporter assays (luciferase and galactosidase).
- In vitro transcription and translation assay, protein expression analysis using common electrophoresis techniques.
- Protein interaction technologies: GST, GFP, MBP pulldown, Western blot, co-immunoprecipitation.

- Routine post-translational modification assays such as λ-phosphatase assay (λ-PPase), ubiquitination assay, SUMOylation assay.
- Cell cycle profiles, apoptosis and differentiation by FACS analysis. Analysis of protein-DNA interaction by chromatin immunoprecipitation, analysis of protein-RNA interaction by RNA immunoprecipitation.

01/01/2010–26/03/2013

Master's degree in "Medical Biotechnology" 110/110 summa cum laude

Level 7

University of Naples "Federico II", Napoli (Italy)

- Commonly used techniques in molecular cloning.
- Preparation and analysis of eukaryotic genomic DNA, extraction, purification, and analysis of mRNA from eukaryotic cells.
- PCR technology: amplification of DNA by PCR, PCR mutagenesis, RT-PCR, real-time PCR. Cell culture of primary and transformed mammalian cells.

ADDITIONAL INFORMATION

Publications

Epigenetic drugs against cancer: an evolving landscape
A Di Costanzo, N Del Gaudio, A Migliaccio, L Altucci
Archives of toxicology 88, 1651-1668582014
Histone deacetylase inhibitors impair vasculogenic mimicry from glioblastoma cells
O Pastorino, MT Gentile, A Mancini, N Del Gaudio, A Di Costanzo, ...
Cancers 11 (6), 747272019
BRD9 binds cell type-specific chromatin regions regulating leukemic cell survival via STAT5 inhibition
N Del Gaudio, A Di Costanzo, NQ Liu, L Conte, A Migliaccio, ...
Cell Death & Disease 10 (5), 338272019
The HDAC inhibitor SAHA regulates CBX2 stability via a SUMO-triggered ubiquitin-mediated pathway in leukemia
A Di Costanzo, N Del Gaudio, L Conte, C Dell'Aversana, M Vermeulen, ...
Oncogene 37 (19), 2559-2572 27*2018
Genome-wide dynamics of RNA synthesis, processing, and degradation without RNA metabolic labeling
M Furlan, E Galeota, N Del Gaudio, E Dassi, M Caselle, S de Pretis, ...
Genome research 30 (10), 1492-1507232020
The ubiquitin proteasome system in hematological malignancies: new insight into its functional role and therapeutic options
A Di Costanzo, N Del Gaudio, L Conte, L Altucci
Cancers 12 (7), 18988 2020
KDM4 involvement in breast cancer and possible therapeutic approaches
B Varghese, N Del Gaudio, G Cobellis, L Altucci, A Nebbioso
Frontiers in Oncology 11, 7503157 2021
HDAC6 inhibition extinguishes autophagy in cancer: Recent insights
E Passaro, C Papulino, U Chianese, A Toraldo, R Congi, N Del Gaudio, ...
Cancers 13 (24), 628042021
Unexpected and durable response with regorafenib in a metastatic colorectal cancer patient without KDR mutation: A case report
G Rosati, N Del Gaudio, E Scarano, RA Cifarelli, L Altucci, D Bilancia
Medicine 97 (25)42018
CBX2 shapes chromatin accessibility promoting AML via p38 MAPK signaling pathway
N Del Gaudio, A Di Costanzo, NQ Liu, L Conte, C Dell'Aversana, G Bove, ...
Molecular Cancer 21 (1), 1-152 2022
Histone lysine demethylase inhibition reprograms prostate cancer metabolism and mechanics
U Chianese, C Papulino, E Passaro, TMJ Evers, M Babaei, A Toraldo, ...
Molecular Metabolism 64, 101561 12022
Looking Beyond the Glioblastoma Mask: Is Genomics the Right Path?
L Montella, N Del Gaudio, G Bove, M Cuomo, M Buonaiuto, D Costabile, ...
Frontiers in Oncology 12 12022
Epi-Drugs Targeting RNA Dynamics in Cancer
G Bove, I Lettiero, G Sgueglia, N Del Gaudio, L Altucci, C Dell'Aversana
2023Discovery of a new class of triazole based inhibitors of acetyl transferase KAT2A
R Pacifico, N Del Gaudio, G Bove, L Altucci, L Siragusa, G Cruciani, ...
Journal of Enzyme Inhibition and Medicinal Chemistry 37 (1), 1987-19942022
Epigenetic alterations in glioblastomas: diagnostic, prognostic and therapeutic relevance
L Montella, M Cuomo, N Del Gaudio, M Buonaiuto, D Costabile, ...
International Journal of Cancer2022
Efficacy of selective histone deacetylase 6 inhibition in mouse models of Pseudomonas aeruginosa infection: A new glimpse for reducing inflammation and infection in cystic fibrosis
M Brindisi, S Barone, A Rossi, E Cassese, N Del Gaudio, ÁJF Morel, ...
European Journal of Pharmacology 936, 1753492022
Longitudinal single-cell transcriptomics reveals distinct patterns of recurrence in acute myeloid leukemia

Y Zhai, P Singh, A Dolnik, P Brazda, N Atlasy, N Del Gaudio, K Döhner, ...
Molecular Cancer 21 (1), 1-152022
MicroRNA Expression Profiling Using Agilent One-Color Microarray
C Dell'Aversana, G Sgueglia, N Del Gaudio, L Altucci
MicroRNA Profiling: Methods and Protocols, 49-642022
Interplay between m^6A epitranscriptome and epigenome in cancer: current knowledge and therapeutic perspectives
G Bove, S Amin, M Babaei, R Benedetti, A Nebbioso, L Altucci, ...
International Journal of Cancer2022
The pivotal role of miRNA-21 in myocardial metabolic flexibility in response to short-and long-term high glucose treatment: Evidence in human cardiomyocyte cell line
L Scisciola, R Benedetti, U Chianese, RA Fontanella, N Del Gaudio, ...
Diabetes Research and Clinical Practice 191, 110066
Metabolic Pathways as a Novel Landscape in Pancreatic Ductal Adenocarcinoma
A Ali, U Chianese, C Papulino, A Toraldo, MEA Abakar, E Passaro, ...
Cancers 14 (15), 3799