



### Address

Univeristy of Rome "Tor Vergata"  
Dept of Experimental Medicine  
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### Email

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### Website

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### Nationality

Russian

### Date of birth

23 May 1992

### Languages

English (fluent)

Italian (fluent)

Spanish (intermediate)

Russian (native)

### Software Skills

MS Word, Excel, PowerPoint  
Adobe Illustrator, Photoshop, InDesign  
GraphPad, FlowJo

### Research Techniques

DNA&RNA analysis  
Cloning, (q)PCR, ChIP  
WB, Co-IP, PLA  
Tumour&primary cell culture  
RNAi and DNA transfection  
FACS, cell sorting, IHC on Fr/FFPE  
Histology and confocal microscopy  
Basics of bioinformatics

# Dr ARTEM SMIRNOV

## Scientific Interests

**Fields** Cancer | Oncogens | Skin | Development | Infection

**Pathways** p53 | p63 | EBV | ASPPs | Cytoskeleton | Epigenetics

**Techniques** Microscopy | PCR | WB | Co-IP | ChIP | Histology

## Education

2017 | **PhD** in Biochemistry & Molecular Biology

University of Rome "Tor Vergata" (Rome, Italy)

2015 | **MSc (Hons)** in Biotechnology

St. Petersburg Institute of Technology (St. Petersburg, Russia)

2013 | **BSc** in Chemical and Biotechnology

St. Petersburg Institute of Technology (St. Petersburg, Russia)

## Research Experience

2022-pres. | **p63 in epithelial cancer**

University of Rome "Tor Vergata" (Rome, Italy)

Postdoc (Prof Eleonora Candi)

2019-2022 | **p53 in EBV-associated cancer**

University of Oxford (Oxford, UK)

Postdoc (Prof Xin Lu)

2014-2019 | **p53&p63 in skin biology**

University of Rome "Tor Vergata" (Rome, Italy)

MSc, PhD student, postdoc (Prof Gerry Melino)

2013-2014 | **Cancer therapy via p53 reactivation**

St. Petersburg Institute of Technology (St. Petersburg, Russia)

BSc and MSc student (Prof Nick A. Barlev)

2012-2013 | **Visualisation of p53 in tumour cells**

Institute of Cytology (St. Petersburg, Russia)

BSc student (Prof Nick A. Barlev)

## Online Peer Review Training

Focus on Peer Review | Nature Masterclasses

Certified Peer Review Course | Elsevier

Publishers Code of conduct | Springer Nature

Fundamentals of Peer Review | Springer Nature

An Introduction to Peer Review | Web of Science Academy

## Peer Review Experience

Peer-reviewer for international journals:

Since 2020 | Biology Direct | 1 review

Since 2020 | FEBS Journal | 1 review

Since 2020 | Cell Death Discovery | 3 reviews

Since 2019 | Cell Cycle | 4 reviews

Since 2019 | Cell Death & Disease | 7 reviews

Since 2019 | Molecular Oncology | 35 reviews

## Selected Publications

The p63 C-terminus is essential for murine oocyte integrity

Lena AM, Rossi V, Osterburg S, Smirnov A, ..., and Candi E. | **Nat Commun** (2021) | [doi](#)

LncRNA uc.291 controls epithelial differentiation by interfering with the ACTL6A/BAF complex

Panatta E, Lena AM, Mancini M, Smirnov A, ..., and Candi E. | **EMBO Rep** (2020) | [doi](#)

ZNF281/Zfp281 is a target of miR-1 and counteracts muscle differentiation

Nicolai S\*, Pieraccioli M\*, Smirnov A\*, ..., and Raschella G. | **Mol Oncol** (2019) \*co-first | [doi](#)

p63 is a promising marker in the diagnosis of unusual skin cancer

Smirnov A, Anemona L, Novelli F, Piro CM, ..., and Candi E. | **Int J Mol Sci** (2019) | [doi](#)

Transglutaminase 3 is expressed in basal cell carcinoma of the skin

Smirnov A, Anemona L, Montanaro M, Mauriello A, ..., and Candi E. | **Eur J Dermatol** (2019) | [doi](#)

ZNF185 is a p63 target gene critical for epidermal differentiation and SCC development

Smirnov A, Lena AM, Cappello A, Panatta E, ..., and Candi E. | **Oncogene** (2018) | [doi](#)

ZNF185 is a p53 target gene following DNA damage

Smirnov A, Cappello A, Lena A, Anemona L, ..., and Candi E. | **Aging (Albany NY)** (2018) | [doi](#)

Kruppel-like factor 4 regulates keratinocyte senescence

Panatta E, Lena AM, Mancini M, Affinati M, Smirnov A, ..., and Candi E. | **BBRC** (2018) | [doi](#)

Zinc finger proteins in health and disease

Cassandri M, Smirnov A, Novelli F, Pitolli C, and Raschella G. | **Cell Death Discovery** (2017) | [doi](#)

Metabolic pathways regulated by p63

Candi E, Smirnov A, Panatta E, Lena AM, ..., and Melino G. | **BBRC** (2017) | [doi](#)

FOXM1 regulates proliferation, senescence and oxidative stress in keratinocytes and cancer cells

Smirnov A, Panatta E, Lena A, Castiglia D, ..., and Candi E. | **Aging (Albany NY)** (2016) | [doi](#)

## Book chapters

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Cornification Diseases (Skin Cell Death)

Candi E, McLean WHI, Didona B, Terrinoni A, Smirnov A, and Melino G. | **eLS** (Mar 2018) | [doi](#)

Cornification of the Skin: A Non-apoptotic Cell Death Mechanism

Candi E, Knight RA, Panatta E, Smirnov A, and Melino G. | **eLS** (Nov 2016) | [doi](#)

## Conferences

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12/2019 | Ludwig Retreat (poster) | UK

08/2017 | 10th Tuscany Retreat on Cancer Research (oral presentation) | Italy

08/2015 | 9th Tuscany Retreat on Cancer Research (oral presentation) | Italy

03/2014 | International conference "Biotechnology and quality of life" (poster) | Russia

12/2013 | V International Youth Medical Congress (oral presentation) | Russia