



# Curriculum Vitae

M. I. Chopei

## PERSONAL INFORMATION



Mariana I. Chopei

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<https://biology.univ.kiev.ua/institute-activity/educational/kafedry/kafedra-fundamental-medicine/spivrobitnyky/vykladachi/901-chopei-mariana-ihorivna.html>

Account (profile) in scientific databases Scopus Author ID 55323924000

Sex F | Date of birth 18/12/1990 | Citizenship Ukraine

Scientific degrees (field)	Ph.D. (03.00.02 - Biophysics)
Academic titles	
Position	Assistant Professor
Department	Fundamental Medicine
Faculty/Institute	Institute of Biology and Medicine

## Courses in which was involved:

Current year	<ol style="list-style-type: none"><li>«Laboratory practicum on molecular biology», bachelors, 3<sup>rd</sup> -4<sup>th</sup> year, laboratory classes</li><li>«Methods of molecular biology», bachelors, 3<sup>rd</sup> year, lectures</li><li>«Fundamentals of medical genetics», masters, 2<sup>nd</sup> year, practical classes</li></ol>
Previous years	<ol style="list-style-type: none"><li>«Modern methods of genetic diagnostics», masters, 3<sup>rd</sup> year, practical classes</li><li>«Histology, cytology and embryology», masters, 1<sup>st</sup> – 2<sup>nd</sup> year, laboratory classes</li><li>«Modern problems of molecular biology», masters, 2<sup>nd</sup> year, practical classes</li><li>«Modern methods of genetic diagnostics», masters, 3<sup>rd</sup> year, practical classes</li><li>"Genetics", bachelors, 3<sup>rd</sup> year, laboratory classes</li><li>"Molecular biology", bachelors, 3<sup>rd</sup> year, practical classes</li><li>"Medical biology", masters, 1<sup>st</sup> year, practical classes</li><li>«Human anatomy», masters, 1<sup>st</sup> year, practical classes</li><li>"Medical genetics", masters, 4<sup>th</sup> year, practical classes</li></ol>

## CAREER/EMPLOYMENT

Period (starting from last)	Position
Since 2017	Assistant Professor ESC "Institute of Biology and Medicine" of Taras Shevchenko National University of Kyiv, 2, Acad. Glushkova av., 03022 Kyiv, Ukraine, <a href="http://biology.univ.kiev.ua">http://biology.univ.kiev.ua</a> Area of activity Education

## EDUCATION AND TRAINING

Period (starting from last)	Position
2014 to 2017	PhD student at the Department of General and Medical Genetics, ESC "Institute of Biology and Medicine" of Taras Shevchenko National University of Kyiv Experience/degree PhD, specialty 03.00.02 – Biophysics, thesis: " DNA loop domain organization in nucleoids of intact and blast transformed lymphocytes "
2012 to 2014	Master's student of ESC "Institute of Biology" of Taras Shevchenko National University of Kyiv Experience/degree Master of Genetics, geneticist
2008 to 2012	Student of ESC "Institute of Biology" of Taras Shevchenko National University of Kyiv Experience/degree Bachelor of Science in Biology

## PERSONAL SKILLS

Name	Level (description)
Native language	Ukrainian
Foreign language 1	English, B2
Communicative competence	Good communicative skills were obtained due to participation in international scientific conferences
Organizing/manager competence	Acting Secretary of the Department of Fundamental Medicine. Acting member of the Scientific and Methodological Commission of the ESC "Institute of Biology and Medicine"
Computer skills	Usage of electronic databases for modeling biological macromolecule's structures and data analysis, usage of software for multimedia presentation preparation and digital image manipulation.
Professional skills (not mentioned above)	Research methods of molecular biology, biophysics, genetics and cytogenetics, methods of obtaining and sustaining cell cultures, methods of statistics and data analysis.
Fields of professional interests	Mechanisms of DNA loop domains stabilization; reorganization of DNA loop domains during cell differentiation and malignant transformation; chromatin spatial organization

## ADDITIONAL INFORMATION

Item	Titles of publications, projects, conferences, awards and prizes, memberships in academies and societies etc.
Publications	<ol style="list-style-type: none"> <li>1. Byelinska I.V., Pustovalov A.S., Lynchak O.V., Chopei M.I., Vareniuk I.M., Kalynovskyi V. Ye, Lavrynenko V.Ye., Hoperia V.G., Dzerzhynsky M.E. "Histology, Cytology, Embryology". A guide for knowledge level control for foreign students of specialization "Medicine", Part 2: Basic Histology. Kyiv: PPC "Kyiv University", 2021. – 159 p.</li> <li>2. Lavrynenko V.Ye., Byelinska I.V., Lynchak O.V., Pustovalov A.S., Chopei M.I., Hoperia V.G., Vareniuk I.M., Kalynovskyi V.Ye., Dzerzhynsky M.E. "Histology, Cytology, and Embryology". A guide for knowledge level control for foreign students of specialization "Medicine", Part 3: Special Histology. Kyiv: Publishing and Polygraphyc Centre "Kyiv University", 2021. – 199 p.</li> <li>3. Chopei M.I., Afanasieva K.S. Methodical recommendations for the course "Modern problems of molecular biology" electronic edition, 2021, 36 p.</li> <li>4. Byelinska I.V., Pustovalov A.S., Lynchak O.V., Chopei M.I., Lavrynenko V.Ye., Khoperia V.G., Vareniuk I.M., Kalynovskyi V.Ye., Dzerzhynsky M.E. "Histology, Cytology, Embryology". Workbook for foreign students of specialization "Medicine". Part 3: Special Histology // Kyiv: PPC "Kyiv University", 2019. – 67 p.</li> <li>5. Afanasieva K., Chopei M., Lozovik A., Semenova A., Lukash L., Sivolob A. DNA loop domain organization in nucleoids from cells of different types // Biochem. Biophys. Res. Commun. – 2017. – Vol. 483(1). – P. 142-146.</li> <li>6. Afanasieva K. S., Chopei M. I., Lozovik A. V. , Rushkovsky S. R., Sivolob A. V. Redistribution of loop domains in human lymphocytes under blast transformation with interleukin 2 // Ukr.Biochem.J. – 2016. – Vol. 88(6). – P. 45-51.</li> <li>7. M. Chopei, V. Olefirenko, K. Afanasieva, A. Sivolob. Influence of DNA-intercalators on stability of DNA loop domains // Visnyk of the Lviv University. Series Biology. 2016. Issue 74. P. 12–19.</li> <li>8. Afanasieva K. S., Chopei M.I., Sivolob A. V. Chromatin in fractal globule state: evidence from comet assay // Biopolymers and Cell. – 2015. – Vol. 31(2). – P.97 – 103.</li> <li>9. Afanasieva K., Chopei M., Sivolob A. Single nucleus versus single cell gel electrophoresis: kinetics of DNA track formation // Electrophoresis. – 2015. – Vol.36 - P. 973-977.</li> <li>10. M. I. Chopei, K. S. Afanasieva, A. V. Sivolob. Protein intercalation in dna as one of main modes of fixation of the most stable chromatin loop domains// Ukr.Biochem.J. – 2014. – Vol. 86(4). – P. 110-118.</li> <li>11. K. Afanasieva, M. Chopei, A. Sivolob. Evidence from comet assay for chromatin existence in fractal globule // Visnyk of the Lviv University. Series Biology. - 2014. - Issue 68. - P. 189–196</li> <li>12. Afanasieva K., Chopei M., Zazhytska M., Vikhрева M., Sivolob A. DNA Loop Domain Organization as Revealed by Single-Cell Gel Electrophoresis // Biochim. Biophys. Acta-Mol. Cell Res. – 2013. – Vol. 1833(4). – P.3237 – 3244.</li> <li>13. Zazhytska M., Afanasieva K., Chopei M., Vikhрева M., Sivolob A. Influence of chloroquine on kinetics of single-cell gel electrophoresis // Biopolym.Cell. – 2012. – Vol. 28(4). – P.292 – 297.</li> </ol>
Projects	<ol style="list-style-type: none"> <li>1. Scientific project of the Department of directed training of Taras Shevchenko National University of Kyiv affiliated with National Academy of Sciences of Ukraine «Molecular mechanisms of inflammatory chronic pain» (inquiry №6Б record № 28 from 16.05.2017).</li> <li>2. State-financed scientific-research topic № 16БФ036-01 «Mechanisms of regulation of metabolic processes in organism under the development of pathological conditions» (2016-2018, № of official registration 0116U002527)</li> <li>3. State-financed scientific-research topic №11БФ036-01 «Mechanisms of implementation of adaptational-compensatory response of organism under the development of different pathologies» (2011-2015, № of official registration 0111U004648)</li> </ol>
Awards and prizes	<ol style="list-style-type: none"> <li>1. Gratitude of the Rector of Taras Shevchenko National University of Kyiv for many years of conscientious work, fruitful scientific and pedagogical activity and significant personal contribution to the training of highly qualified specialists</li> <li>2. Certificate for conscientious work at Taras Shevchenko National University of Kyiv</li> </ol>

Conferences	<ol style="list-style-type: none"> <li>1. International scientific conference for students and PhD students «Youth and progress of biology». Lviv, Ukraine.</li> <li>2. 38<sup>th</sup> FEBS congress «Mechanisms in biology», July 6-11, 2013, St. Petersburg, Russia.</li> <li>3. Conference of young scientists «Urgent problems of biochemistry and biotechnology - 2016», 26-27 May 2016, Kyiv, Ukraine.</li> <li>4. Joint meeting of the 25<sup>th</sup> annual conference «Modern aspects of biochemistry and biotechnology» and 2<sup>nd</sup> Conference for young scientists of the division of biochemistry, physiology and molecular biology National Academy of Sciences of Ukraine, 6-9 June 2017, Kyiv, Ukraine .</li> <li>5. 5. XVII International Conference of Students and Young Scientists "Shevchenkivska Vesna: Bioscience Advances", April 23-25, 2019, Kyiv, Ukraine</li> <li>6. 6. XII Ukrainian Biochemical Congress, September 30 - October 4, 2019, Ternopil, Ukraine</li> </ol>
Citation	h-index 4 (Scopus), citations – 38 (Scopus)
Certificates	<ol style="list-style-type: none"> <li>1. Certificate of participation in International Summer School «Dynamics of Gene Regulation, Epigenetics and DNA Damage», 22 July – 30 August, 2013, Institute of Molecular Biology, Mainz, Germany.</li> <li>2. Certificate of professional development under the program "Scientific and pedagogical workers as active participants in the internal quality assurance system", June 20-27, 2019, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine</li> <li>3. Certificate of successful completion of the course "Digital Skills Pro", issued on March 22, 2021, Taras Shevchenko National University of Kyiv, Kyiv, Ukraine</li> <li>4. Certificate of successful completion of the course "Google Digital Tools for Institutions of Higher, Professional Pre-Higher Education", October 4-18, 2021, Academy of Digital Development, Ukraine</li> </ol>