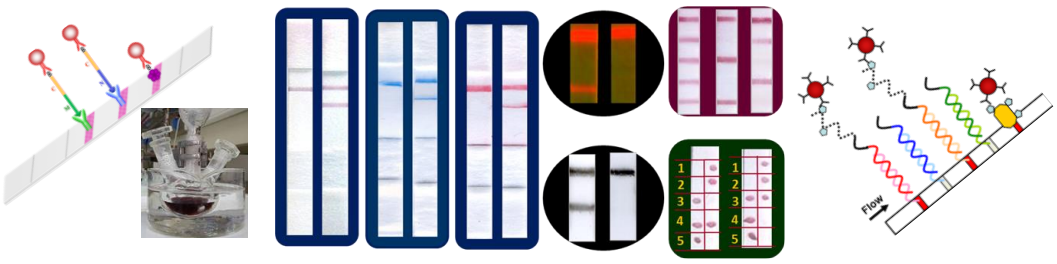
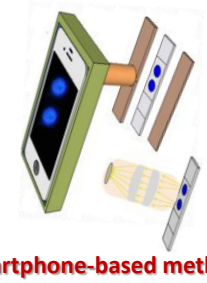
CURRICULUM VITAE

Theodore K. Christopoulos

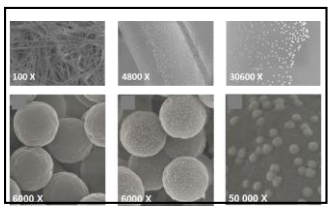
Professor, Department of Chemistry, University of Patras, Patras, Greece
&
Collaborating faculty member, FORTH/ICEHT



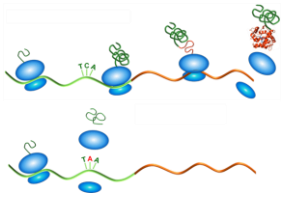
Nanoparticle-based Biosensors for DNA/RNA & Proteins



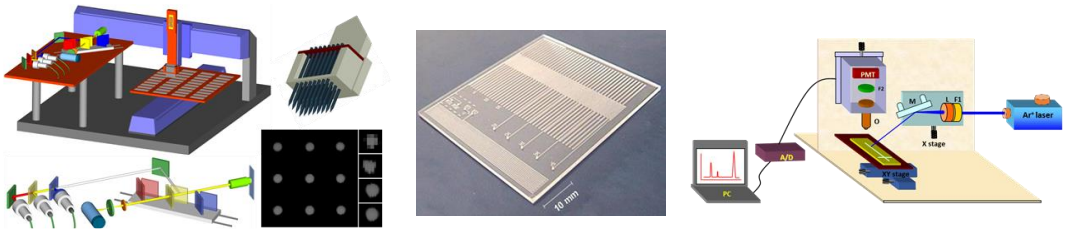
Smartphone-based methods



Nanotechnology



Recombinant DNA technology



Home-built Microarrays & Microanalytical chips

CURRICULUM VITAE

Theodore K. Christopoulos

Professor, Department of Chemistry, University of Patras, Patras, Greece
&
Collaborating faculty member, FORTH/ICEHT

Date and Place of birth:	25-Jul-1960, Arta, Greece
Family status:	Married, 4 children
Address:	Department of Chemistry University of Patras Patras, Greece 26504
Tel.	+30 2610-962951
E-mail:	tchrist@upatras.gr

Education

1982	BSc in Pharmacy, University of Athens, Greece (Excellent)
1987	PhD in Chemistry, University of Athens, Greece (Excellent)
1991	Post-Doctoral Diploma in Clinical Chemistry, University of Toronto, Canada

Employment/Occupation

2004-present	Full Professor of Analytical Chemistry, Dept. of Chemistry, University of Patras
2000-present	Collaborating Faculty Member, Institute of Chemical Engineering Sciences/Foundation for Research and Technology Hellas (ICE/FORTH)
2013-2017	Member of the University Council of the University of Patras, Patras, Greece (since Feb. 2013)
2011-2013	Chair, Department of Chemistry, University of Patras, Greece (Sept. 2011 to Feb. 2013)
1999-2003	Associate Professor, Dept. of Chemistry, University of Patras
1999	Full Prof., Dept. of Chemistry & Biochemistry, Univ. of Windsor, Ontario, Canada.
1998	Visiting Assoc. Prof., Dept. of Molecular Genetics, Harvard University, Boston, MA
1996-1999	Assoc. Prof. (tenured), Dept. of Chem. & Biochem., Univ. of Windsor, Canada
1992-1996	Assist. Prof., Dept. of Chem. and Biochem., Univ. of Windsor, Ontario, Canada
1989-1992	Post-Doctoral Research Associate, Department of Clin. Biochemistry, School of Medicine, University of Toronto, Canada

Research Activities

- Micro- and Nanotechnology in Modern Chemical Analysis
- Biosensors
- Microanalytical Systems
- Chemical Instrumentation. Automation of Chemical Analysis.
- Fluorescence/Time-Resolved Fluorescence, Bio(chemi)luminescence
- Biotechnology for Analytical Chemistry
- DNA, RNA and Protein Analysis
- Clinical/Molecular Diagnostics
- Food authenticity testing

Awards and Distinctions

1985 The *'Canadian Society of Clinical Chemists Best Poster Award'*
1990 The *'CSCC Award to encourage research in Clinical Chemistry'*
1991 The *'Student Travel Grant'* from the Ontario Soc. of Clin.Chem.
1991 The *'Canadian Society of Clinical Chemists Best Poster Award'*
1991 The *'Young Investigator Award'*, from the Upstate NY Section of American Association for Clinical Chemistry (AACC).
1992 The *'Van Slyke Society Grant Award'* from AACC.
1995 The *'Canadian Society of Clinical Chemists (CSCC) Best Poster Award'*
1995 *'Oncor Prize for the best oncology related poster presentation'* at the San Diego Conference on 'Nucleic Acids: A Decade of Discovery'.
1997 The "Grannis Award" for: *"Excellence in Research and Scientific Publication"* from the U.S.A National Academy of Clin. Biochemistry. "The award is given annually to an individual whose work is exemplary"
2000 Research Award from the Empeirikeio Foundation, Athens, Greece
2008 *Two* Best Oral Presentation Awards at the XVI Meeting of Balkan Clinical Laboratory Federation & 7th Hellenic Congress of Clinical Chemistry, Athens
2009 Best Oral Presentation. *8o Hellenic Clinical Chemistry Conference*, Patras
2011 Selected at the top 21 achievements (finalists) from the 295 submitted to the Competition for 'Applied Research and Innovation', organized by the Hellenic Federation of Enterprizes & Eurobank (Athens, 2011)
2013 Selected at the top 10 achievements (finalists) from the 143 submitted to the Competition for Innovation, organized by the Hellenic Association of Pharmaceutical Companies (SFEE) (Athens).
2015 Poster Award, 9th International Conference on "Instrumental Methods of Analysis- Modern Trends and Applications", 20-24 September 2015, (Kalamata, Greece, 2015).
2019 Best Poster Presentation Award. 11th International Conference on Instrumental Methods of Analysis – Modern Trends and Applications (Ioannina, Greece 2019)
2019 Honorable Distinction for the originality and usefulness of the paper "Smartphone-based chemiluminometric hybridization assays and quantitative competitive polymerase chain reaction". 17th Hellenic Conference on Clinical Chemistry, (Athens, Greece)
2023 The "Panagiotis Kanellopoulos" Outstanding Publication Award for the year 2022, from the University of Patras (awarded 30/01/2023) for the original research publication "*Macromolecular crowding agents enhance the sensitivity of lateral flow immunoassays*, by Christopoulou N-M, Kalogianni DP, Christopoulos TK. Biosensors & Bioelectronics, 2022; 218: 114737".

Invited speaker (the international are in bold)

1. **Federation of Analytical Chemistry and Spectroscopy Societies (FACSS), Detroit, MI, 1993**
2. **Clinical Ligand Assay Society, Dearborn, MI, 1993.**
3. **American Association for Clinical Chemistry, Detroit, MI, 1994.**
4. **American Association for Clin. Chemistry, Molecular Pathology, Chicago, IL, 1996**
5. University of Athens, Department of Chemistry, 1996
6. University of Ioannina, Department of Medicine, 1996
7. University of Athens, Medical School, 1996
8. **Harvard Medical School, Dept. of Molecular Genetics, Boston, MA, 1997**
9. **Scripps Research Institute, La Jolla, CA, 1997**
10. **Univ. of Michigan, Dept. of Chemistry, Ann Arbor, MI, 1997**
11. **Univ. of Alberta, Dept. of Chemistry, Edmonton, Canada, 1998**
12. University of Athens, Department of Chemistry, 1998
13. **Conference on DNA Technologies in Human Disease Detection, San Diego, CA, 1998**
14. **ECOSEP I Conference (International), Patras, 1998.**
15. **University of Vienna, Medical School, 1999**
16. Hellenic Association of Clinical Chemistry, Paster Institute, Athens, 2000
17. ICE-HT/FORTH, Patra, 2000
18. Hellenic Society of Biology Conference, Athens, 2000
19. University of Patras, Department of Medicine, 2001
20. Hellenic Chemical Society Conference, 2001.
21. **Controlled Release Society/Pharmaceutical Assosciation, Athens, 2001**
22. National Technical University of Athens, Dept. of Chemical Engineering, Athens, 2002
23. Hellenic Chemical Society Conference, Herakleion, Crete, 2002
24. University of Crete, Dept. of Biology, 2002
25. **Aegean Analytical Chemistry Days Conference (International), Lesvos, 2002**
26. Hellenic Conference of the Society of Biological Sciences, Eretria, Greece 2002
27. **International conference on 'Mutation Detection', Santorini, 2005.**
28. Hellenic Biotechnology Club Meeting & NanoBiotech Business Day, Athens, Greece 2005.
29. Biosciences conference, University of Patras, Greece 2005.
30. ICEHT/FORTH, Patras, Greece 2005.
31. Hellenic Conference on Food Technology and Biotechnology, Athens, 2005
32. Foundation for Research and Technology Hellas (FORTH) symposium, 2007.
33. **International Greek Biotechnology Forum, Athens, Greece 2008.**
34. National Research Council, Institute of Biological Sciences and Biotechnology, Athens, Greece 2008.
35. **International Symposium on Luminescence Spectroscopy, Bologna, Italy 2008.**
36. **International Workshop on Multianalyte Biosensing Devices, Athens, 2008**
37. **International Intensive Course and Workshop on 'Nanomedicines-nanoparticulates for drug delivery', Patras, Greece 2008**
38. 'Pharmacogenomics and personalized Medicine, Athens, Greece 2009.
39. **The 11th International Symposium on Mutations in the Genome, Santorini, Greece 2011.**
40. Summer school on 'Nanomaterials and Devices', University of Patras, 2012
41. **5th BBBB International Conference 'From drug discovery and formulation strategies to Pharmacokinetics and Pharmacodynamics', Athens, Sept 2013**

42. 2nd Conference on Pharmaceutical Sciences, Patras, Greece, Oct. 2014
43. 3rd Hellenic Forum on Advanced Science Technology & Innovation. Workshop on 'Advanced biosensing devices for biomedical and food analysis applications', Athens, Jul. 2015
44. Foundation for Research & Technology Hellas, Institute of Chemical Engineering Sciences, Patras, Greece, Jun 2015.
45. 17th Hellenic Pharmaceutical Conference, Athens Greece Oct. 2015.
46. 17th Medicinal Chemistry Conference, Spetses Greece Aug 2016.
47. 5th Health Forum, Patras, Greece May 2017
48. 2nd NANOMED Workshop 'Innovative Medicines for Targeted Drug Delivery and Personalized Approaches', University of Patras and FORTH/ICE, Patras July 2019
49. National and Kapodistrian University of Athens, Dept. of Chemistry, May 27, 2022

Teaching experience

- *University of Patras (1999-present)*
  Department of Chemistry, Undergraduate courses (1999-present):
  'Instrumental Chemical Analysis-1',
  'Intrumental Chemical Analysis-2' (Lectures and Laboratory),
  'Quality Control of Chemical Analyses' (Lectures)
  'Analytical Chemistry-1/Qualitative Analysis' (Lectures and Laboratory)
  'Analytical Chemistry-2/Quantitative Analysis' (Laboratory)

  Department of Biology, Undergraduate courses (2011-present):
  'Instrumental Methods for Biomolecular Analysis'

  Department of Chemistry, Graduate courses (2010-present):
  'Micro/Nanotechnology-Chemical sensors' (I cover the full graduate course)
  'Chemical Biology'. I offer two lectures, 2-hours each

- *University of Windsor, Ontario, Canada (1992-1999)*
  Undergraduate courses:
  'Principles of Instrumental Analysis'
  'Intermediary Metabolism'
  'General Chemistry'

  Graduate courses:
  'Advanced Bioanalytical Topics'
  'Clinical Chemistry I'
  'Clinical Biochemistry I'
  'Instrumental Analysis in Clinical Chemistry'.

PhD Theses Supervisor

17 PhD theses have been completed under my supervision (7 in Canada and 10 in Greece). One PhD thesis is in progress.

MSc Theses Supervisor

24 MSc theses have been completed under my supervision (2 in Canada and 22 in Greece). 3 MSc theses are in progress.

Supervisor of 4th Year Projects

55 undergraduate students have completed their 4th year experimental project (2 semesters, 20 ECTS credits) under my supervision (5 in Canada, 50 in Greece)

Organization of Scientific Conferences

- ✓ Organizer and Chair of the International Conference: 'Instrumental Methods of Analysis-Modern Trends and Applications—IMA07', 2007. Patras, Greece
- ✓ Member of the Scientific Committee of the 'International Symposium on Luminescence Spectroscopy, Bologna, Italy, 2008.
- ✓ Member of the Advisory Committee '34th International Conference on Micro and Nanoengineering', Athens, Greece 2008
- ✓ Member of the Scientific Committee, 8th Conference of the Hellenic Association of Clinical Chemistry-Clinical Biochemistry, Patras, Greece 2009
- ✓ Organizer and Chairman of the 'XVI International Symposium on Luminescence Spectrometry (ISLS 2014)', Rhodes, Greece 2014.

Organization of Workshops

--'Molecular Biology Techniques', University of Toronto, Canada 1992, 1993, 1994 and 1995.
--'Molecular Biology Techniques' Canadian Society of Clinical Chemists, Whistler, BC, Canada 1995.
--Symposium on 'Advances in Analytical Methods for Biomolecules', Canadian Chemical Society, Windsor, Canada, 1997.

Referee for 17 International Scientific Journals

Editorial Board Member

Analytical & Bioanalytical Chemistry (2017-2019)
Clinica Chimica Acta (1999-present)
Clinical Biochemistry (1999)

Administrative work

1992-98	Member of the Graduate Studies Committee, Dept. of Chem. and Biochem., Univ. of Windsor, Ontario, Canada.
1995-98	Scholarships Officer, Dept. of Chem. and Biochem., U of Windsor
1995-96	Awards Committee, U. of Windsor.
1995-96	Member of the Graduate Council of the U. of Windsor.
1999	Member of the Executive Committee, School of Physical Sciences, U. of Windsor.
2000-05	Member of the Student Transfer Committee, Dept. of Chemistry, University of Patras, Greece
2001-05	Member of the Committee for the Centre of Instrumental Analysis, University of Patras.
2002-03 & 2011-13	Member of the Senate, University of Patras, Greece
2006	Member of the 'Health and Safety Committee', Department of Chemistry, University of Patras
2005-present	Member of the Coordinating Committee for the Program of Graduate Studies, Dept of Chemistry, University of Patras.

2007-10	Member of the Committee for Recycling at the University of Patras.
2007-10	Coordinator of the Committee for the Undergraduate Laboratory Training in the Chemistry Dept., University of Patras.
2007-20	Member of the Undergraduate Curriculum Committee, Dept. of Chemistry, University of Patras.
2009-20	Member of the Internal Evaluation Committee for the Department of Chemistry, University of Patras.
2010-25	Founder and Coordinator of the MSc program in '*Analytical Chemistry & Nanotechnology*' offered by the Chemistry Dept., University of Patras.
2011-13	Chairman, Department of Chemistry, University of Patras, Greece
2011-16	Coordinator of the Internal Evaluation Committee of the Dept. of Chemistry, University of Patras
2011-16	Coordinator of the Committee for 'Promotion, Development and Transparency' of the Chemistry Dept., University of Patras
2011-13	Member of the Committee for Connecting the Chemistry Department with the Economy of Greece.
2011-13	Member of the Erasmus Committee (European Student Mobility Program), Dept of Chemistry, Umiv. of Patras
2011-16	Member of the Committee for the 'Practical Exercise' (Industrial placements), Dept. of Chemistry, University of Patras, Greece
2013-17	Member of the 'University Council', University of Patras, Greece

CUMULATIVE DATA ON PUBLISHED WORK (CAREER TOTALS)

Original research publications (ISI):	**121**
Review articles (Invited):	**8**
Books (in English):	**2**
Chapters in international books*:*	**14**
Communications to international scientific conferences:	**> 90**
Communications to national scientific meetings:	**> 21**
Patents (Greek):	**6**

Scientific Journals & Number of Papers

Journal	**Papers**	**Impact Factor (IF 2023)**
Journal of the American Chemical Society (JACS)	1	15.0
Nucleic Acids Research	4	14.9
Biosensors & Bioelectronics	6	12.6
Critical Reviews in Clinical Laboratory Science	1	10.0
Clinical Chemistry	11	9.3
Food Chemistry	1	8.8
Analytical Chemistry	27	8.0
Clinical Chemistry and Laboratory Medicine	1	6.8
Analytica Chimica Acta	10	6.2
Talanta	2	6.1
Journal of Agricultural and Food Chemistry	3	6.1
Microchimica Acta	1	5.7
European Journal of Human Genetics	1	5.2
Clinica Chimica Acta	3	5.0
Microchemical Journal	2	4.8
Methods	1	4.8
Bioconjugate Chemistry	1	4.7
Analytical & Bioanalytical Chemistry	15	4.3
Analyst	7	4.2
Human Mutation	2	3.9
Nanotechnology	1	3.5
Journal of Pharmaceutical Sciences	1	3.8
Journal of Chromatography B	1	3.0
Journal of Chemical Education	1	3.0
Electrophoresis	1	2.9
Analytical Biochemistry	6	2.9
Clinical Biochemistry	4	2.8
Chemical Physics Letters	1	2.8
Biotechniques	1	2.7
Journal of Immunological Methods	1	2.2
Pharmacogenomics	1	2.1
Protein Expression and Purification	1	1.6
Genetic Testing	1	1.4

LIST OF PUBLICATIONS

(A) ORIGINAL PUBLICATIONS

A121. Bellou N, Christopoulou N-M, Kalligosfyri PM, Christopoulos TK. Toward rapid testing for molecular authentication: Novel method for multianalyte identification of olive, sunflower, soy, sesame and corn DNA by visual biosensing.
Analytica Chimica Acta, **2026**; 1383: 344890
[https://doi.org/10.1016/j.aca.2025.344890]

A120. Vdokaki M-A, Christopoulou N-M, Tsikas PK, Christopoulos TK. Integrating machine learning for rapid and accurate multiplex identification of the allelic variants in single nucleotide polymorphisms by lateral flow genotyping assays.
Biosensors & Bioelectronics, **2025**; 288: 117837
[https://doi.org/10.1016/j.bios.2025.117837]

A119. Christopoulou N-M, Mamoulaki V, Mitsiakou A, Samolada E, Kalogianni DP, Christopoulos TK. Screening method for the visual discrimination of olive oil from other vegetable oils by a multispecies DNA sensor.
Analytical Chemistry, **2024**; 96: 1803−1811
[https://doi.org/10.1021/acs.analchem.3c05507]

A118. Christopoulou N-M, Figgou E, Kalaitzis P, Kalogianni DP, Christopoulos TK. Multiallelic DNA sensors for molecular traceability of olive oil varietal origin.
Sensors & Actuators: B. Chemical, **2024**; 406: 135423
[https://doi.org/10.1016/j.snb.2024.135423]

A117. Kalligosfyri PM, Tragoulias SS, Tsikas P, Lamprou E, Christopoulos TK, Kalogianni DP. Design and validation of a three-dimensional printer-based system enabling rapid, low-cost construction of the biosensing areas of lateral flow devices for immunoassays and nucleic acid assays.
Analytical Chemistry, **2024**; 96(1): 572–580
[https://doi.org/10.1021/acs.analchem.3c04915]

A116. Gkini, I.P., Christopoulos, P., Conides, A., Kalogianni, D.P., Christopoulos, T.K. Molecular rapid test for identification of tuna species.
Biosensors, **2024**; 14: 82 [https://doi.org/10.3390/bios14020082]

A115. Kakarelidou M, Christopoulos, P, Conides A, Kalogianni DP, Christopoulos TK. Fish DNA sensors for authenticity assessment—Application to Sardine species identification.
Molecules, **2024**; 29: 677. [https://doi.org/10.3390/molecules29030677]

A114. Christopoulou N-M, Kalogianni DP, Christopoulos TK. Multifold improvement in detection capability of lateral flow immunosensors for allergens via macromolecular crowding.
Talanta **2023**; 265: 124899 [https://doi.org/10.1016/j.talanta.2023.124899]

A113. Lamprou E, Sotiriou M, Kalligosfyri PM, Kalogianni DP, Christopoulos TK. A universal lateral flow assay for microRNA visual detection in urine samples.
Talanta **2023**; 262: 124682 [https://doi.org/10.1016/j.talanta.2023.124682]

A112. Christopoulou N-M, Kalogianni DP, Christopoulos TK. Macromolecular crowding agents enhance the sensitivity of lateral flow immunoassays.

Biosensors & Bioelectronics **2022**; 218: 114737
[https://doi.org/10.1016/j.bios.2022.114737]

A111. Christopoulou N-M, Kalogianni DP, Christopoulos TK. Posidonia oceanica (Mediterranean tapeweed) leaf litter as a source of fluorescent carbon dot preparations.
Microchemical Journal, **2021**; 161: 105787.
[https://doi.org/10.1016/j.microc.2020.105787]

A110. Sevastou A, Tragoulias SS, Kalogianni DP, Christopoulos TK. Mix-and-read method for assessment of milk pasteurization using a smartphone or a common digital camera.
Analytical & Bioanalytical Chemistry, **2020**; 412: 5663–5669
[https://doi.org/10.1007/s00216-020-02786-3]

A109. Kalligosfyri PM, Sevastou A, Kyriakou IK, Tragoulias SS, Kalogianni DP, Christopoulos TK. Smartphone-based chemiluminometric hybridization assays and quantitative competitive polymerase chain reaction.
Analytica Chimica Acta, **2019**; 1088: 123-130
[https://doi.org/10.1016/j.aca.2019.08.051]

A108. Galaziou A, Christopoulos TK, Ioannou PC. Paper-based device providing visual genetic signatures for precision medicine. Application to breast cancer.
Analytical & Bioanalytical Chemistry, **2019**; 411: 3769-3776
[https://doi.org/10.1007/s00216-019-01838-7]

- ***PAPER IN FOREFRONT*** *("Guided by the peer reviews, the Editors select a number of exceptional papers for rapid publication as* ***'Papers in Forefront'****. These articles are given priority treatment, and they are printed prominently in a journal issue")*

A107. Magiati M, Myridaki VM, Christopoulos TK, Kalogianni DP. Lateral flow test for meat authentication with visual detection.
Food Chemistry, **2019**; 274: 803-807.

A106. Kyriakou IK, Mavridis K, Kalogianni DP, Christopoulos TK, Ioannou PC, Skorilas A. Multianalyte quantitative competitive PCR on optically encoded microspheres for an eight-gene panel related to prostate cancer.
Analytical & Bioanalytical Chemistry, **2018**; 410: 971-980
[https://doi.org/10.1007/s00216-017-0595-0]

A105. Kouloulia S, Lazaridou M, Christopoulos TK, Ioannou PC. Multi-allele dipstick assay for visual genotyping of four novel SIRT1 gene variant alleles as candidate biomarkers for sporadic Parkinson disease.
Microchimica Acta, **2017**; 184: 2845-2853.

A104. Spyrou EM, Kalogianni DP, Tragoulias SS, Ioannou PC, Christopoulos TK. Digital camera and smartphone as detectors in paper-based chemiluminometric genotyping of single-nucleotide polymorphisms.
Analytical & Bioanalytical Chemistry, **2016**; 408: 7393-7402
[doi:10.1007/s00216-016-9819-y]

A103. Fountoglou N, Petropoulou M, Iliadi A, Christopoulos TK, Ioannou PC. Two-panel molecular testing for genetic predisposition for thrombosis using multi-allele visual biosensors.
Analytical & Bioanalytical Chemistry, **2016**; 408: 1943-1952.

A102. Amvrosiadou M, Petropoulou M, Poulou M, Tzetis M, Kanavakis E, Christopoulos TK, Ioannou PC. Multi-allele genotyping platform for the simultaneous detection of mutations in the Wilson disease related ATP7B gene.
Journal of Chromatography B, **2015**; 1006: 201-208.

A101. Petropoulou M, Poula A, Kanavakis E, Traeger-Synodinos J, Christopoulos TK, Ioannou PC. Screening nondeletion alpha-thalassemia mutations in the HBA1 and HBA2 genes by high-resolution melting analysis.
Clinical Chemistry & Laboratory Medicine; **2015**; 53: 1951-1959.

A100. Petropoulou M, Poula A, Traeger-Synodinos J, Kanavakis E, Christopoulos TK, Ioannou PC. Multi-allele DNA biosensor for the rapid genotyping of 'nondeletion' alpha thalassaemia mutations in HBA1 and HBA2 genes by means of multiplex primer extension reaction.
Clinica Chimica Acta, **2015**; 446: 241-247

A99. Kalogianni DP, Bazakos C, Boutsika L, Targem M, Christopoulos TK, Kalaitzis P, Ioannou PC. Olive oil DNA fingerprinting by multiplex SNP-genotyping on fluorescent microspheres.
Journal of Agricultural and Food Chemistry, **2015**; 63: 3121-3128
[https://doi.org/10.1021/jf5054657]

A98. Sapountzi EA, Tragoulias SS, Kalogianni DP, Ioannou PC, Christopoulos TK. Lateral flow devices for nucleic acid analysis exploiting quantum dots as reporters.
Analytica Chimica Acta, **2015**; 864: 48-54
[http://dx.doi.org/10.1016/j.aca.2015.01.020]

A97. Papanikos F, Skoulatou C, Sakellariou P, Kekou K, Christopoulos TK, Kanavakis E, Traeger-Synodinos J, Ioannou PC. A simplified approach for FSHD molecular testing.
Clinica Chimica Acta, **2014**; 429: 96-103

A96. Papanikos F, Iliadi A, Petropoulou M, Penelope C. Ioannou PC, Christopoulos TK, Kanavakis E, Traeger-Synodinos J. Lateral flow dipstick test for genotyping of 15 beta-globin gene (*HBB*) mutations with naked-eye detection.
Analytica Chimica Acta, **2012**; 727: 61-66.

A95. Trantakis IA, Christopoulos TK, Spaniolas S, Kalaitzis P, Ioannou PC, Tucker GA. Quantitative bioluminometric method for DNA-based species/varietal identification in food authenticity assessment.
Journal of Agricultural & Food Chemistry, **2012**; 60: 912-916.

A94. Trantakis IA, Spaniolas S, Kalaitzis P, Ioannou PC, Tucker GA, Christopoulos TK. Dipstick test for DNA-based food authentication. Application to coffee authenticity assessment.
Journal of Agricultural & Food Chemistry, **2012**; 60: 713-717.

A93. Iliadi A, Petropoulou M, Ioannou PC, Christopoulos TK, Anagnostopoulos NI, Kanavakis E, Traeger-Synodinos J. Absolute quantification of the alleles in somatic point mutations by bioluminometric methods based on competitive PCR in the presence of a locked nucleic acid blocker or an allele-specific primer.
Analytical Chemistry, **2011**; 83: 6545-6551.

A92. Kalogianni DP, Boutsika L, Kouremenou P, Christopoulos TK, Ioannou PC. Carbon nano-strings as reporters in lateral-flow devices for DNA sensing by hybridization.
Analytical & Bioanalytical Chemistry, **2011**; 400: 1145-1152.

A91. Elenis D, Ioannou PC, Christopoulos TK. A nanoparticle-based sensor for visual detection of multiple mutations.
Nanotechnology, **2011**; 22: 155501

A90. Litos IK, Ioannou PC, Christopoulos TK, Tzetis M, Kanavakis E, Traeger-Synodinos J. Quadruple-allele dipstick test for simultaneous visual genotyping of A896G (Asp299Gly) and C1196T (Thr399Ile) polymorphisms in the toll-like receptor-4 gene.
Clinica Chimica Acta, **2011**; 412: 1968-1972.

A89. Petrakis EC, Trantakis IA, Kalogianni DP, Christopoulos TK. Screening for unknown mutations by a bioluminescent protein truncation test with homogeneous detection.
Journal of the American Chemical Society, **2010**; 132: 5091-5095.

A88. Vlachou MA, Glynou KM, Ioannou PC, Christopoulos TK, Vartholomatos G. Development of a three-biosensor panel for visual detection of thrombophilia-associated mutations.
Biosensors & Bioelectronics **2010**; 26: 228-234

A87. Konstantou JK, Iliadi AC, Ioannou PC, Christopoulos TK, Anagnostopoulos NI, Kanavakis E, Traeger-Synodinos J. Visual screening for JAK2V617F mutation by a disposable dipstick.
Analytical & Bioanalytical Chemistry, **2010**; 397: 1911-1916.

A86. Trantakis IA, Fakis M, Tragoulias SS, Christopoulos TK, Persephonis P, Giannetas V, Ioannou P. Ultrafast fluorescence dynamics of Sybr Green I/DNA complexes.
Chemical Physics Letters, **2010**; 485: 187-190.

A85. Tsiakalou V, Petropoulou M, Ioannou PC, Christopoulos TK, Kanavakis E, Anagnostopoulos N, Savvidou I, Traeger-Synodinos J. Bioluminometric assay for relative quantification of mutant allele burden. Application to the oncogenic somatic point mutation JAK2V617F.
Analytical Chemistry, **2009**; 81: 8596-8602.

A84. Iliadi A, Makrythanasis P, Tzetis M, Tsipi M, Traeger-Synodinos J, Ioannou PC, Kanavakis E, Christopoulos TK. Association of TLR4 single nucleotide polymorphisms and sarcoidosis in Greek patients.
Genetic Testing & Molecular Biomarkers, **2009**; 13: 849-853.

A83. Litos IK, Ioannou PC, Christopoulos TK, Traeger-Synodonos J, Kanavakis E. Multianalyte, dipstick-type, nanoparticle-based DNA biosensor for visual genotyping of single-nucleotide polymorphisms.
Biosensors & Bioelectronics, **2009**; 24: 3135-3139.

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