

Dr. V. M. Berlin Grace's Profile



Dr. V. M. Berlin Grace, M.Sc., Ph.D

Professor

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Date of Joining : 06/06/2005

Academic Background

Degree	University	Year
Ph. D (Biochemistry-Cancer Biology)		2002
M.Sc. Biochemistry		1998
B.Sc. Biochemistry		1996

Courses Taught

- Biochemistry
- Cell Biology
- Molecular Biology
- Genetic Engineering
- Cancer Biology & Management Techniques

Research Interests

- Molecular studies on HPV associated uterine cervical cancer
- Cancer Treatment efficiency studies at molecular level
- Retinoid Therapy for lung cancer
- Nano-therapy with liposome nano-formulated drugs
- Phyto-therapy for various cancers and inflammation

MOST RECENT PUBLICATIONS

- **Berlin Grace V. M.**, D David Wilson, C. Guruvayoorappan J.P. Danisha, and Lucia Bonati. Liposome Nano-formulation with Cationic polar lipid DOTAP and Cholesterol as a Suitable pH Responsive Carrier for the Molecular Therapeutic Drug (all trans Retinoic Acid) Delivery to the Lung Cancer Cells. **IET Nanobiotechnology**, 2021; 15: 380–390. <https://doi.org/10.1049/nbt2.12028>. **IF: 1.847** (June 2021).
- Raja David Isac Evangeline Breeta, **Viswanathan Mariammal Berlin Grace***, Devarajan David Wilson. Methyl Palmitate — A suitable adjuvant for Sorafenib therapy to reduce in vivo toxicity and to enhance anti-cancer effects on hepatocellular carcinoma cells. **Basic Clin Pharmacol Toxicol**. 2021; 128: 366–378. SI/TR/WOS; **IF: 4.080**. DOI: 10.1111/bcpt.13525.
- **Berlin Grace V.M***, Viswanathan, S., David Wilson D., Jagadish Kumar, S., Sahana, K., Maria Arbin, E.F., Narayanan, J. Significant action of Tridax procumbens L. leaf extract on reducing the TNF- α and COX-2 gene expressions in induced inflammation site in Swiss albino mice. **Inflammopharmacology** July, 2020; 28(4): 929-938. SI/TR/WOS; **IF: 4.473**. DOI: 10.1007/s10787-019-00634-0 (Springer)
- Ragavi Ravichandran, S. Viswanathan, **V. M. Berlin Grace***, Lucia Bonati & Jini Narayanan. Ameliorating effect of lipo-ATRA treatment on the expression of TIG3 and its suppressing effect on PPAR γ gene expression in lung cancer animal model. **Molecular and Cellular Biochemistry** 2019; 460: 105-112. (Springer Publishers); TR/SI/WOS, **IF: 2.795**, Current-3.396; DOI 10.1007/s11010-019-03574-z
- Esther Sathya Bama, **V. M. Berlin Grace***, Viswanathan Sundaram, Perinba Dansiha Jesubatham, Synergistic effect of co-treatment with all-*trans* retinoic acid and 9-*cis* retinoic acid on human lung cancer cell line at molecular level. **3 Biotech**. 2019; 9: 159. TR/SI/WOS, **IF: 1.798**, Current-2.406. DOI: <https://doi.org/10.1007/s13205-019-1692-x>

PROJECTS HANDLED

- **DBT- EMR**, New Delhi, funded Project under the call for proposal on Nanoscience and Nanotechnology Application in Biology Task Force for funding [2 years (Sept. 2016 to Sep.2018) – Amount: Rs. 30.86 Lakhs], Title: “Bioavailability Enhancement of Retinoid Drug by Nano formulation with Cationic Liposome for Improved Therapeutic Effect on Lung Cancer”, (Ref. No.: BT/PR14632/NNT/28/824/2015, dated 02-09-2016)
- **DST-SERB** (SCIENCE & ENGINEERING RESEARCH BOARD), New Delhi, funded project under Young Scientist-Start-Up Grant Scheme [3 years (June 2014 to July 2017) – Amount: Rs. 23.7 Lakhs], Title: “A molecular study on the effect of targeted drug (All *Trans* Retinoic Acid) delivery with liposome on the expression level of RAR- β in benzo (a) pyrene induced experimental lung cancer” (Ref: No.SB/YS/LS-252/2013, dated 15 May, 2014).

Memberships in Professional Bodies

- ISTE (Life member No. LM 64768)
- Nutrition Society of India (Life member No. 484)
- Indian Association for Cancer Research (Life member No. 763)
- Society of Biotechnologists (India) (Life member No. L-585)
- Association of Biotechnology and Pharmacy (Life member No. ABAP-025)
- India Didactics Association (No. IDA18M-84019)
- The Society of Innovative Educationalist & Scientific Research Professional (Chennai) (Regd. No. LM17189 9315)