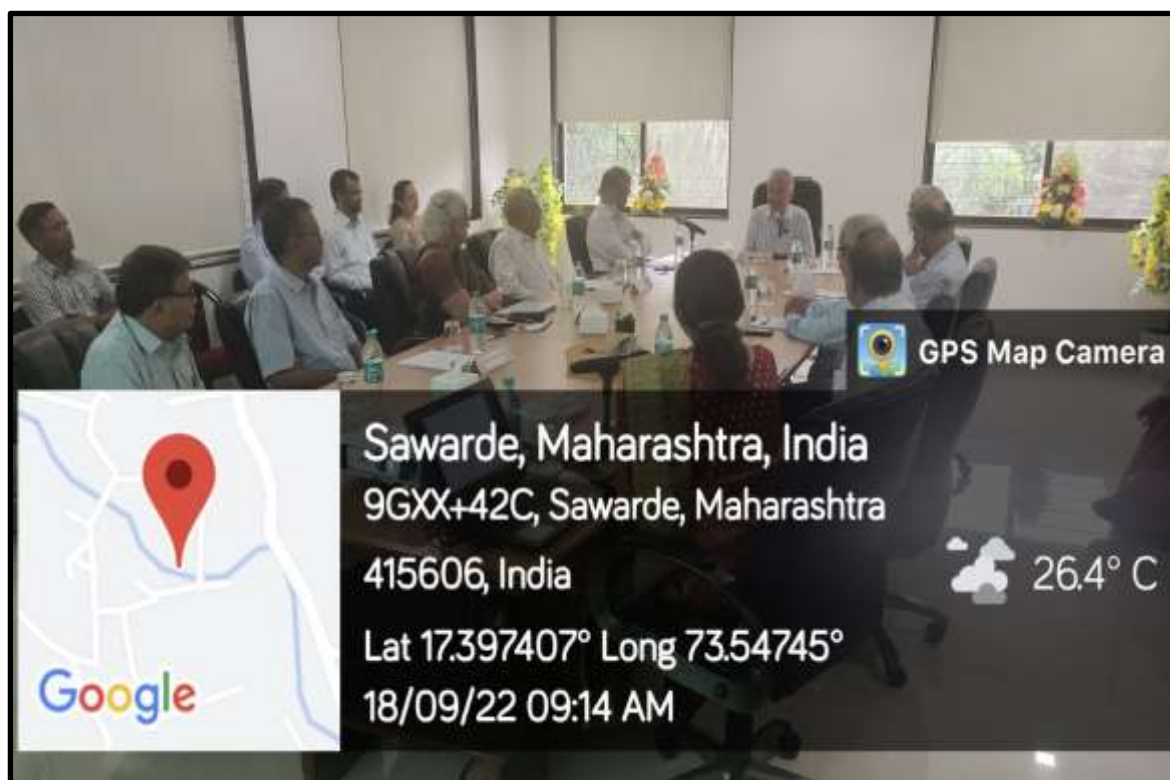


INDEX

Sr. No	Name	Page No
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2	Institutional Ethics Committee(IEC)	3-4
3	Photo of Molecular Laboratory	5-6
4	Therapeutic cell culture facility	7-8
5	Genomic Laboratory	9-11
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	Nature and Nurture in shaping our Health and Disease	19
	Research during MBBS -A vital step towards becoming a Clinician Scientist	20

Scientific Advisory Committee (SAC)



Institutional Ethics Committee (IEC)





Molecular Biology Laboratory





Therapeutic Cell Culture Facility (TCCF)



Samarthakrupa Lifesciences Pvt Ltd

*Cordially invites you
to
the virtual inauguration
of*

THERAPEUTIC CELL CULTURE FACILITY

by

Chief Guest

Dr. Renu Swarup,

Secretary to GoI, Department of Biotechnology

Guest of Honour

Dr. Anil Kakodkar,

*AICTE Distinguished Chair, Professor, Chairman, Rajiv Gandhi Science & Technology
Commission, Former Chairman, Atomic Energy Commission*

Date: 8th October 2021

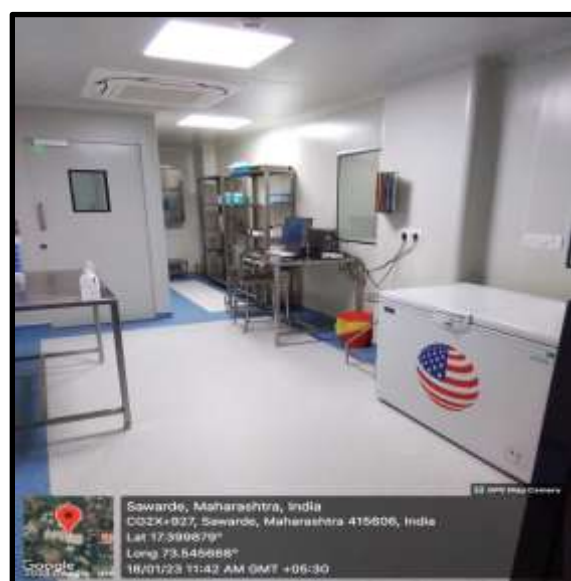
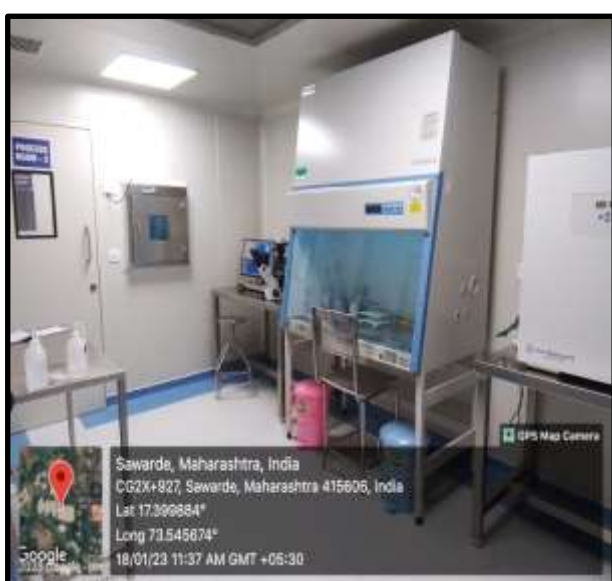
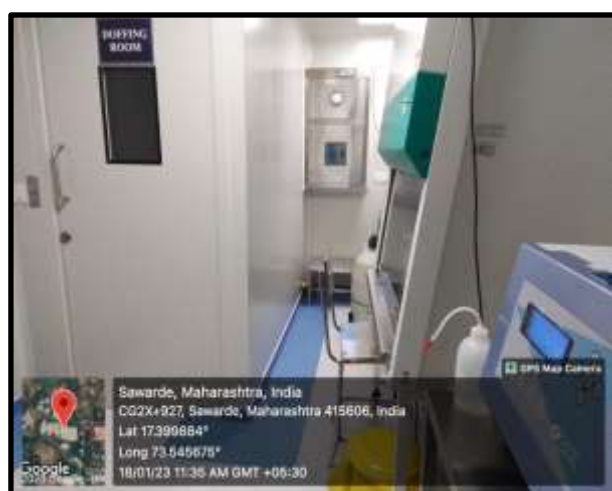
Time: 11 am to 12 pm

Venue: SVJCT's BKL Walawalkar Hospital,
Sawarde, District Ratnagiri

Hosts


Mr. Vikas Walawalkar, Dr. Rita Mulherkar, Dr. Sunil Nadkarni
(Directors, SKLS)

Link for joining with Google Meet : meet.google.com/mhe-avnu-xpp



TISSUE CULTURE LABORATORY INFRASTRUCTRE

Genomics Laboratory



BKL Walawalkar Rural Medical College & Hospital, Sawarde, Dist - Ratnagiri

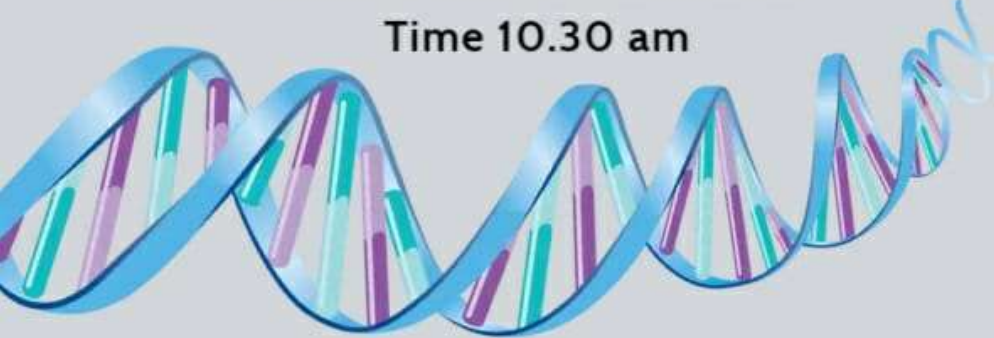
All faculties of college are cordially invited

GENOMICS LABORATORY

OPENING

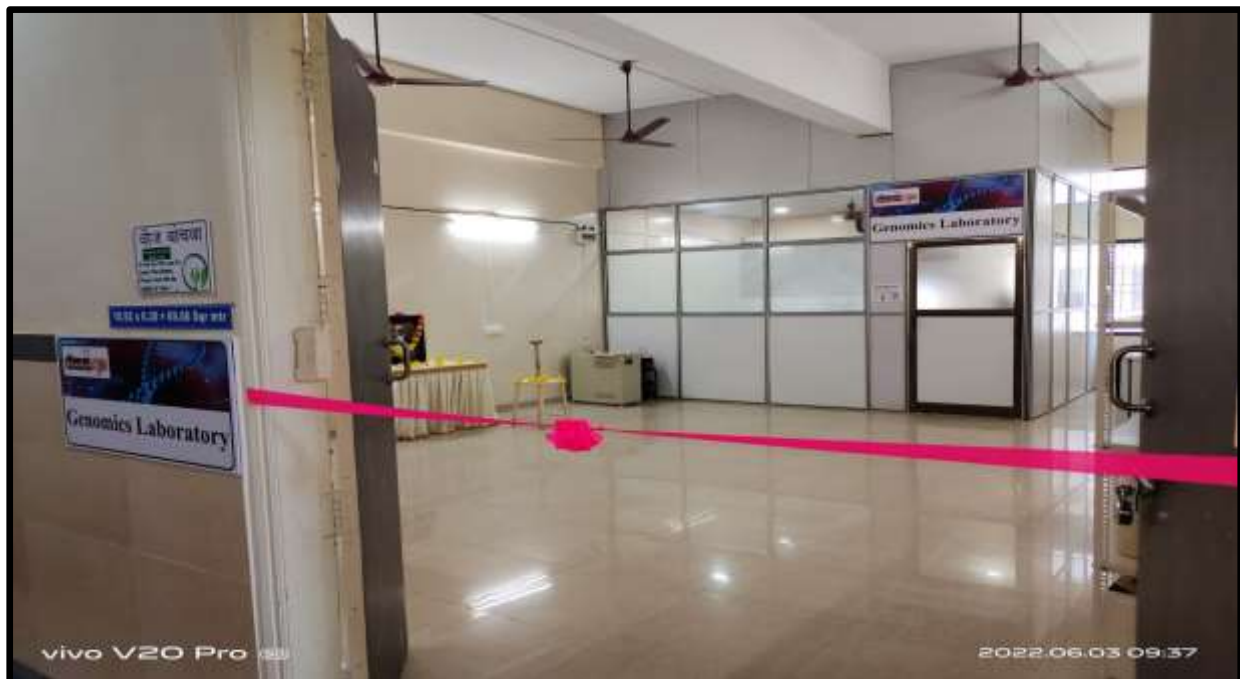
03 JUNE 2022

Time 10.30 am



Opening at the hands of
Shri Ashok Joshi
(Trustee, SVJCT)
in presence of
Shri Vikas Walawalkar
(Managing Trustee, SVJCT)

Other dignitaries
Dr Rita Mulherkar, Scientist
Dr Neelam Shirsat, Scientist
Dr Vijay Dombale, Principal



Genomic Laboratory opening ceremony



Dr Nilam Shirsat explaining role of Genomic Laboratory in Research and Innovation

Central Research Lab with GC-MS facility



DERVAN COHORT RESEARCH PROJECT LAB



BIOIMPEDANCE MACHINE



BIO REPOSITORY



Tanita Machine



COHORT PARTICIPANTS



RGSTC COHORT STAFF & FACULTY



Working hours



Project Staff with participants

Guest Lecture & Workshop





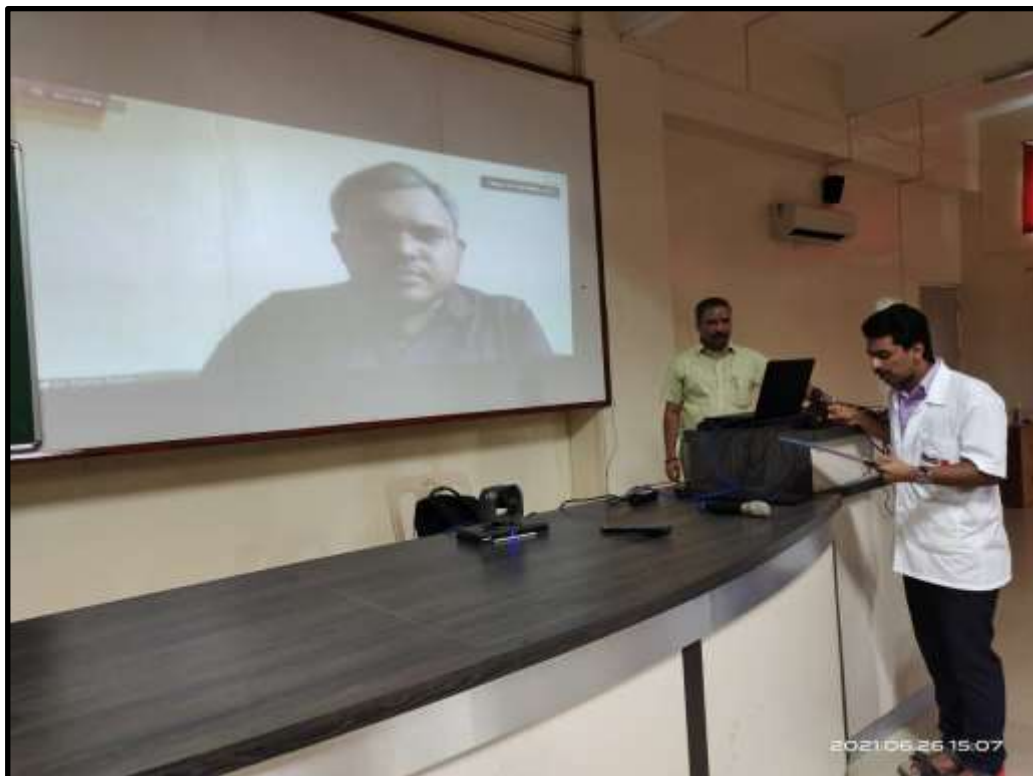
Patent applications and innovations guest lecture for faculties' and staff by Prof. Ganesh Hingmire



Nature and Nurture in shaping our Health and Disease by Dr. Ritwick Sawarkar



online Guest lecture - **“Research during MBBS -A vital step towards becoming a Clinician Scientist”** by Dr. Partha Dabke





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ACTIVITIES CARRIED OUT TO DEVELOP RESEARCH AND INNOVATION ECOSYSTEM: A SUMMARY REPORT

SR NO	Type of Activity	Page No
1	Summary of activities carried out to develop research and Innovation Ecosystem	1-5
2	Establishment of facilities : <ul style="list-style-type: none"> ○ Scientific Advisory Committee (SAC) ○ Institutional Ethics committee(IEC) ○ Recognition from scientific Industrial research organization (SIRO) 	6-10
3	Establishment of facilities : Photos of Molecular Lab, Therapeutic Cell Culture Facility (TCCF) and Genomic Laboratory	11 -17
3	Photos of workshop training conducted	18-21
4	Ethical committee approval letter and grant letter of projects	22-27
5	Patent	29-30
6	Annexure's : IEC formation , SAC formation , DGCI approval letter, Recognition letter from scientific Industrial research organization (SIRO)	31

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SUMMARY OF ACTIVITIES CARRIED OUT TO DEVELOP RESEARCH AND INNOVATION ECOSYSTEM

Step by step reaching towards institutional vision of nurturing “research and innovation” for benefit of rural underprivileged peoples

A) Establishment of facility for creating ECOSYSTEM for research and innovation

1. Role of Scientific Advisory Committee and Institutional Ethics committee
2. Recognition from scientific Industrial research organization (SIRO)
3. Dr. M.G. Deo **Molecular Biology Laboratory**, established under the guidance of Dr. Rita Mulherkar, Scientist, Researcher, Administrator Ex. Chairman & Professor, Mulherkar Lab, ACTREC, Navi Mumbai.
4. Samarth krupa Life sciences Pvt. Ltd. GMP - Compliant **Therapeutic Cell Culture Facility (TCCF)** – Started on 8 October 2021, this facility is working on production of the medicinal product comprising of ex vivo expansion of autologous disc cells grown in human platelet lysate.
5. The institute has started a “**Genomics Laboratory**” on 3rd June 2022, with the initiation of genomic studies at BKLWRMC under the guidance of Dr. Neelam Shirsat and Dr. Shripad Banavali, Tata Memorial Hospital, who are carrying out a project to develop a blood test for the early detection and monitoring of cancer patients.

B) Sanitizations and training to students and faculties

Through some of the guest lectures and workshops carried out to create innovative ecosystem are mentioned below.

1. Workshop on “Collaborative network for adolescent nutrition and health in Sub-Saharan Africa and India” by MRC Life course Epidemiology Unit, University of Southampton, UK. - 5th to 9th Feb 2018.
2. Guest lecture on “Patent applications and innovations” by Prof. Ganesh Hingmire (Director, GMGC - Great Mission Group Consultancy) conducted on 29.03.2019.

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3. Guest lecture on '**Nature and Nurture in shaping our Health and Disease**' on 21st December 2019 at 3.30 pm Dr. Ritwick Sawarkar, program Leader at MRC, University of Cambridge, United Kingdom.
4. Lecture on - "**Research during MBBS -A vital step towards becoming a Clinician Scientist**" by Dr. Partha Dabke, MBBS, PhD, Dept. of Pediatric Metabolic Medicine, Hannover Medical School, Germany, President, Indian Association Hannover (IASH) - Saturday , 26th June 2021, @ 3 pm IST.
5. Hands on Training of Nucleic acid Extraction and Gel Electrophoresis by Rita Mulherkar, Scientist, Researcher, Administrator Ex. Chairman & Professor, Mulherkar Lab, ACTREC, Navi Mumbai.


Medical Director
B. K. L. Walawalkar
Rural Medical College

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c) List of some self-funded projects and funded projects / research work carried out in Incubator center under guidance of scientific advisory committee with approval and support from institutional ethics committee.

SR NO	Project title	Name of faculty	Facility
1	A project entitled "New Directions For Research in Diabetes in India: The harbinger for future Diabetes - An Adolescent and preconception health perspective" – <u>DERVAN COHORT</u> funded by Rajiv Gandhi Science & Technology Commission Maharashtra state was started on 4 th Feb, 2019.	Dr. Suvarna Patil	Central research Lab
2	A Phase I/II clinical trial to examine the safety and efficacy of autologous, cultured disc chondrocytes embedded in PRF transplanted in patients' disc to maintain its function	Dr. Sunil Nadkarni	Therapeutic Cell Culture Facility (TCCF)
3	"Liquid Biopsy for early detection and monitoring disease progression in Cancer"	Dr. Nilam Shirsat	Geonomic Lab
4	"Isolation and characterization of secretory fgA from human milk from previously COVID-19 positive mothers' and uninfected mothers"	Dr. Rita Mulherkar Dr. Rohit Bhat Dr. Yogendra Shelke	Molecular Biology Laboratory
5	Good Manufacturing Practices (GMP) compliant scale up of Human Platelet Lysate (hPL) as a Product for Clinical Grade Expansion of Human Cells for Cellular Therapies.	Dr. Rita Mulherkar Dr. Rohit Bhat	Therapeutic Cell Culture Facility (TCCF)

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Idea for following Patents “incubated” in our different facilities of incubation center & many such newer ideas at stage of incubation.

Patent No	Name of patent	Patentee
366819	An apparatus for disinfection of household objects and material	Mr. Vikas Kamlakar Walawalkar Dr. Suvarna Netaji Patil Dr. Sunil Manohar Nadkarni
Application No.201921024182 A	A MENSTRUATION PREDICTION KIT	Dr. Suvarna Netaji Patil


Medical Director
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Rural Medical College

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A) Establishment of different facilities:

1) Scientific advisory committee

Formation of scientific advisory committee in 2015 is first “milestone” towards development Research and Innovation Ecosystem in the Institute.

This is multidisciplinary committee, headed by eminent scientists of different fields. Institute was fortunate enough in getting Indian nuclear physicist Padmavibhushan Dr **Anil Kakodkar sir as chair person** for scientific advisory committee along with Padmabhushan Dr.T.Ramasami, (Scientist, Researcher, and Social Activist).

Detailed scientific advisory committee along with renowned member as below:

Sr. No	Name	Organization	Official Address
1	Dr. Anil Kakodkar	Bhabha Atomic Research Centre	Bhabha Atomic Research Centre 7 th Floor, Central Complex Trombay, Mumbai-400085
2	Dr. T. Ramasami	Chairman, Oversight Committee; Science & Engineering Research Board	38/21, V-Cross Street Rajalakshmi Nagar Extension Velachery, Chenna 600042.TN
3	Dr. Rita Mulherkar	Ex. Chairman & Professor, ACTREC, Navi Mumbai, Mulherkar lab	A 103 Park Dew; Sector 20 Kharghar, Navi Mumbai 410210
4	Prof. B. Ravi	Engineer, Institute Chair Professor	309, 2 nd Floor, Mechanival Engineering Department Indian Institute of Technology, Powai, Mumbai 400076.
5	ShriChandrashekharGarde	Professor, LMISTE Dept. of Engineering & Applied Sciences	Vishwakarma Information Technology, Pune 411048
6	Dr. Sanjay Oak	Surgeon, Eucationist Vice Chancellor, DY Patil University;	Vice Chancellor, DY Patil University; Sector 7, NerulNavi Mumbai 400706
7	ShriJayantkumar Banthia	Ex-Chief Secretary Gov. of Maharashtra	
8	Dr. ShripadBanavali	Professor & Head, Dept. of Medical Oncology Tata Memorial Center,	Tata Memorial Center, Mumbai 400012
9	ShriVikasWalawalkar	Industrialist, Social Activist, Managing Trustee, ShriVithalrao Joshi Charities Trust	Suyash, Near Amar Hind MandalGokhale Road (North), Dadar (W) Mumbai 400028.
10	Dr. SuvrnaPatil	BKL WalawalkarRural Medical College,	BKL Walawalkar Hospital, Dervan, Tal- Chiplun, Dist-Ratnagiri

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Image: Indian nuclear physicist Padmavibhushan Dr Anil Kakodkar sir heading SAC meeting along with other eminent scientific committee members at BKLWRMC Dervan

7
DEAN

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2) Institutional ethics committee

Institutional Ethics Committee (IEC) was established in August 2015 as per the ICMR and ICH-GCP guidelines for Ethics Committees, with a mandate for combined scientific and ethics review of research projects being conducted in Institute. With precious guidance, support and directions from scientific advisory committee "Institutional ethics committee" is working in institute since years.

The IEC is approved from DGCI. Since its inception, IEC has held **63 full board meetings** and reviewed **154 Investigator Initiated Projects** till 22.06.2022, which includes Biomedical Health Research and Clinical Research.

Institutional Ethics Committee (IEC):

SR NO	Name	Position	Expertise
1	Dr.Mahendra Gulati	Chairperson	Radiologist
2	Dr. Arvind S. Yadav	Member secretary	Basic Medical Scientist
3	Dr.Shripad Banavali	Member	Clinician /oncologist
4	Dr. Shivaleela	Member	Clinical Pharmacologist
5	Dr. Sunita Patil	Member	Clinical Pharmacologist
6	Mr. Suresh S. Pakale	Member	Legal Expert
7	Dr. Rita Mulherkar	Member	Scientist
8	Dr. Vijay D Dombale	Member	Clinician/ Pathologist
9	Dr. Abhay Desai	Member	Clinician
10	Dr. Mrs. Suneeti Gore	Member	Microbiologist
11	Dr. Anand Joshi	Member	Gastroenterologist
12	Mr. Kamalesh Joshi	Member	Legal Expert
13	Miss. Dipali Parab	Member	Social Scientist
14	Mr. Mandar Phadke	Member	Lay person

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Images: IEC meeting in Hybrid mode (offline and online)

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3) Recognition from scientific Industrial research organization (SIRO)

In-house R&D unit(s) of Institute is recognized by Scientific and Industrial Research Organizations (SIROs) & Department of Scientific & Industrial Research (DSIR).

	<p>भारत सरकार विज्ञान और प्रौद्योगिकी मंत्रालय वैज्ञानिक और औद्योगिक अनुसंधान विभाग टेक्नोलॉजी भवन, नया महरौली मार्ग, नई दिल्ली - 110016 GOVERNMENT OF INDIA MINISTRY OF SCIENCE AND TECHNOLOGY Department of Scientific and Industrial Research Technology Bhavan, New Mehrauli Road, New Delhi - 110016</p>
<p>सूचना का अधिकार RIGHT TO INFORMATION</p>	<p>दूरभाष/TEL : 26562819, 26567373 (EPABX) : 26565694, 26562133 : 26565687, 26562144 : 26562134, 26562122 फैक्स/FAX : 26900529, 26529745 Website : http://www.dsir.gov.in</p>



F.No. 14/752/2018-TU-V Date: 9th September 2021

The Managing Trustee
Shri Vithalrao Joshi Charities Trust's
B.K.L. Walawalkar Hospital & Rural Medical College,
A/P Kasarwadi, Sawarde,
Taluka – Chiplun,
District Ratnagiri – 415606, Maharashtra

Subject: Renewal of Recognition of Scientific and Industrial Research Organisations (SIROs).

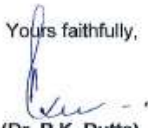
Dear Sir,

This has reference to your application for renewal of recognition of **Shri Vithalrao Joshi Charities Trust's B.K.L. Walawalkar Hospital & Rural Medical College, Chiplun, District Ratnagiri, Maharashtra** as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial Research Organisations (SIROs), 1988.

2. This is to inform you that it has been decided to accord renewal of recognition to **Shri Vithalrao Joshi Charities Trust's B.K.L. Walawalkar Hospital & Rural Medical College, Chiplun, District Ratnagiri, Maharashtra** from **01.04.2021 to 31.03.2024**. The recognition is subject to terms and conditions mentioned overleaf.

3. Receipt of this letter may kindly be acknowledged.

Yours faithfully,


(Dr. P.K. Dutta)
Scientist - 'F'

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B) Establishment of different facilities:

1) Photos of Molecular Laboratory




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2) Therapeutic Cell Culture Facility (TCCF)



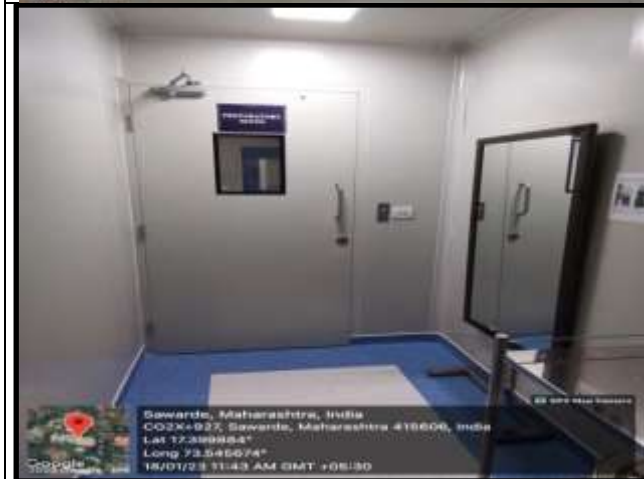
Samarthakrupa Lifesciences Pvt Ltd
*Cordially invites you
to
the virtual inauguration
of*
THERAPEUTIC CELL CULTURE FACILITY
by
Chief Guest
Dr. Renu Swarup,
Secretary to GoI, Department of Biotechnology
Guest of Honour
Dr. Anil Kakodkar,
*AICTE Distinguished Chair, Professor, Chairman, Rajiv Gandhi Science & Technology
Commission, Former Chairman, Atomic Energy Commission*
Date: 8th October 2021
Time: 11 am to 12 pm
Venue: SVJCT's BKL Walawalkar Hospital,
Sawarde, District Ratnagiri
Hosts
Mr. Vikas Walawalkar, Dr. Rita Mulherkar, Dr. Sunil Nadkarni
(Directors, SKLS)
Link for joining with Google Meet : meet.google.com/mhe-avnu-xpp

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3) Genomics Laboratory



BKL Walawalkar Rural Medical College & Hospital, Sawarde, Dist - Ratnagiri

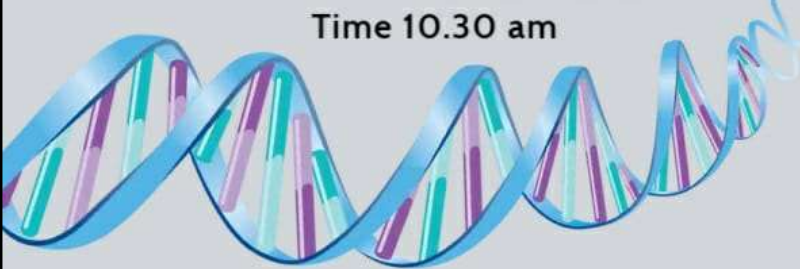
All faculties of college are cordially invited

GENOMICS LABORATORY

OPENING

03 JUNE 2022

Time 10.30 am



Opening at the hands of
Shri Ashok Joshi
(Trustee, SVJCT)
in presence of
Shri Vikas Walawalkar
(Managing Trustee, SVJCT)

Other dignitaries
Dr Rita Mulherkar, Scientist
Dr Neelam Shirsat, Scientist
Dr Vijay Dombale, Principal

15

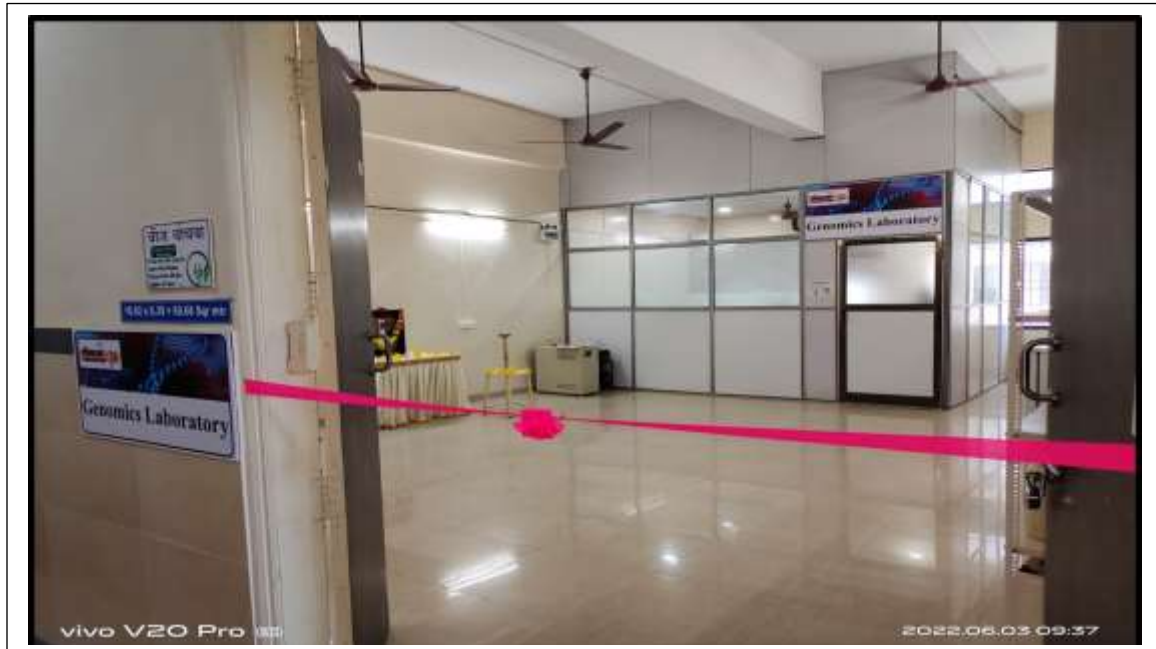

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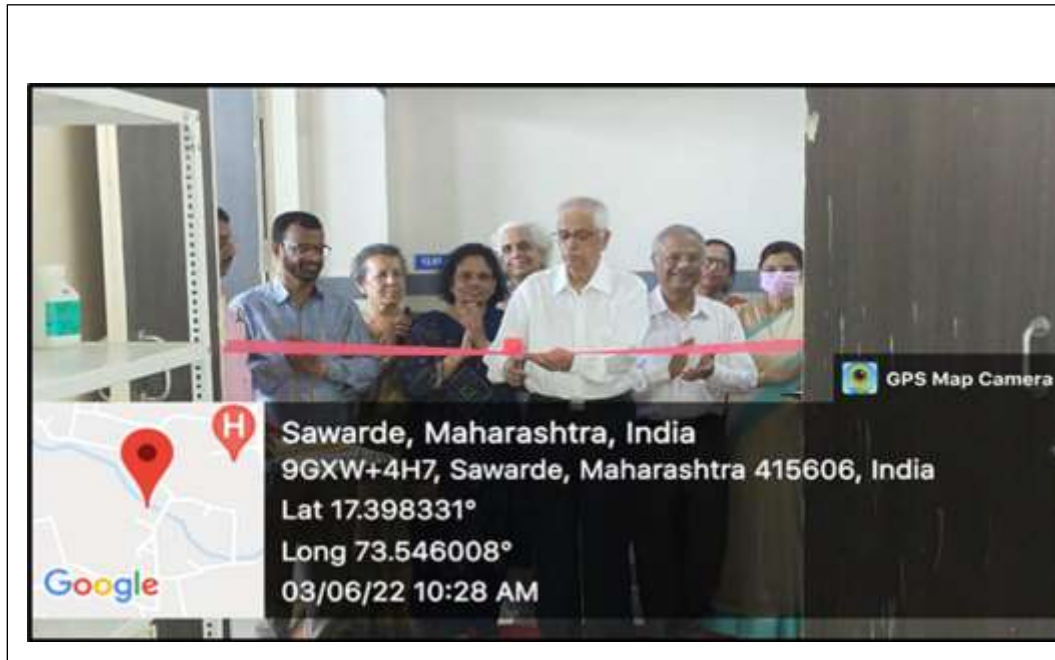


Shri Vitthalrao Joshi Charities Trust's

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PHOTOS OF WORKSHOP AND TRAINING CONDUCTED

1. Workshop on “Collaborative network for adolescent nutrition and health in Sub-Saharan Africa and India” by MRC Life course Epidemiology Unit, University of Southampton, UK. - 5th to 9th Feb 2018.





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2) Workshop on "Patent applications and innovations" by Prof. Ganesh Hingmire





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3) Guest lecture on 'Nature and Nurture in shaping our Health and Disease' by Dr. Ritwick

Sawarkar



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4) online Guest lecture - **“Research during MBBS -A vital step towards becoming a Clinician Scientist”** by Dr. Partha Dabke



Research Awareness Lecture Series

Organized by
SVJCT's
BKL Walwalkar Rural Medical College & Hospital, Sawarde, Ratangiri

A Webinar on
“Research during MBBS - A vital step towards becoming a Clinician Scientist”
by
Dr. Partha Dabke
MBBS, PhD
Dept. of Pediatric Metabolic Medicine,
Hannover Medical School, Germany
President, Indian Association Hannover (IASH)

Saturday , 26th June 2021, @ 3 pm IST.
Venue
Lecture Hall No. 1
Session will be held through Zoom
Registration is Free







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5) Hands on Training of Nucleic acid Extraction and Gel Electrophoresis by Rita Mulherkar, Scientist, Researcher, Administrator Ex. Chairman & Professor, Mulherkar Lab, ACTREC, Navi Mumbai.



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Dist. Ratnagiri - 415606. Maharashtra State, INDIA
Tel. : +91 02355 264636 / 264637
Fax : +91 02355 264693 Email : info@bklwrmc.com
Website : www.walawalkarmedicalcollege.com

Supportive documents of some recent Projects with Extramural fund or self-funded

1) DERVAN COHORT funded by Rajiv Gandhi Science & Technology Commission
Maharashtra state was started on 4th Feb, 201

Ethical approval

Shri Vitthalrao Joshi Charities Trust's
B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE
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Out Ward No:- BKLW/RMC/IEC/16/2018(07) Date:- 21/07/2018

Approval Letter

To,
Dr. Suvarna Patil

Subject: IEC Approval Letter
On 21st July, 2018 the IEC of B.K.L. Walawalkar Rural Medical College and Hospital reviewed and discussed the following documents with regards to your submission on research proposal as entitled "New Directions for Research in Diabetes in India: The harbinger of future Diabetes-As-Adolescent and preconception Health Perspective (DERVAN cohort) Stage-3".

Documents Submitted for EC review & approved are listed below:

Sr. No.	Document
1	Project Submission Form
2	Presentation "P1.ppt" - 21 st April, 2018
3	Information Consent Document - English Language / Marathi Language

The above documents were reviewed by the ethics committee member and the study is approved by IEC to be conducted in its present form. You are requested to submit the progress report after 6 months to IEC for review. Any change, modification or deviation in protocol must be informed to IEC. Any protocol modification or amendment must receive IEC approval.

We hereby confirm that you have not participated in the voting / decision making procedure of the Ethics Committee. The members of the committee who have participated in the voting / decision making procedure of the Ethics committee do not have any conflict of interest in the referred study. Also you are requested to provide a copy of the final report. This Ethics Committee is organized and operates according to Good Clinical Practice and Schedule Y requirements.

Yours Sincerely,

Dr. Mahendra Gulati,
Chairman, Ethics Committee,
BKLWAMCH
Institutional Ethics Committee
B.K.L.W Rural Medical College & Hospital,
Sawarda, Ratnagiri - 415606

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Website : www.walawalkarmedicalcollege.com

Sanction order

Rajiv Gandhi Science & Technology Commission Government of Maharashtra

No. RGSTC/F03-2018/DPP-195/CR-38
3rd Floor, Apeejay House,
Dinshaw Vachha Road, Near K. C. College,
Churchgate, Mumbai - 400 020.
Tel: No. 022-22024755/22024711
E-mail: rgstcmah@rediffmail.com
Dated: - 4th February, 2019.

Sanction Order

Sub: Project Proposal entitled "New Directions for Research in to Diabetes in India: The Harbinger of Future Diabetes - An Adolescent and Preconception Health Perspective (DEVKAN Cohort) PHASE - I".

- Ref (1) Project Proposal Letter No. SVJCT/BKLWRC/855/2018 dated 12.04.2018 received from B.K.L. Walawalkar Rural Medical College, Kasarwadi, A/P - Sawarda, Tal - Chiplun, Dist - Ratnagiri - 415 606.
- 2) RGSTC Letter dated 20th December, 2018.
- 3) Revised Project Budget and justification received from B.K.L. Walawalkar Rural Medical College, Ratnagiri through E-mail dated 26th December, 2018 and 29th December, 2018.
- 4) Revised Project Budget from B.K.L. Walawalkar Rural Medical College, Ratnagiri through E-mail dated 18th January, 2019 (Letter No.: SVJCT/BKLWR MC/049/2019).

For advancement, propagation and promotion of applications of Science and Technology for development and to tackle various problems facing the society, the Government of Maharashtra has set up Rajiv Gandhi Science and Technology Commission. One of the objectives of the commission is to catalyse application of innovations in sectors like food processing, energy, water, agriculture, fisheries, industries, bio-diversity conservation etc. to create knowledge based society for sustained economic progress.

2. Rajiv Gandhi Science and Technology Commission (RGSTC), under its scheme "Assistance for Science and Technology Applications" has received a project proposal entitled, "New Directions for Research in to Diabetes in India : The Harbinger of Future Diabetes - An Adolescent and Preconception Health Perspective (DEVKAN Cohort) PHASE - I" of 3 years duration with total estimated cost of Rs. 4,48,13,200/- (Four Crore Forty Eight Lakh Thirteen Thousand Two Hundred Only) from B.K.L. Walawalkar Rural Medical College, Sawarda, Kasarwadi, Tal - Chiplun, Dist - Ratnagiri. The objective of the project is to set up a cohort of adolescent girls, which will be named DEVKAN (Development and Evolution of Rural Viable Adolescent and Neonate) study cohort; to provide health education to selected girls, parents, teachers, nurses, paramedical workers in the study area; assess their physical growth, nutrition, cognitive function; measure the micronutrient in the blood sample, create a high risk group and follow them every year to assess physical growth and nutrition. The proposal was duly processed and reviewed by the Project Appraisal Committee (PAC) of RGSTC. The institute has submitted revised total estimated cost of Rs. 4,35,91,000/- (Four Crore Thirty Five Lakh Ninety One Thousand Only).

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2) A Phase I/II clinical trial to examine the safety and efficacy of autologous, cultured disc chondrocytes embedded in PRF transplanted in patients' disc to maintain its function



Shri Vithalrao Joshi Charities Trust's

B. K. L. WALAWALKAR HOSPITAL, DIAGNOSTIC & RESEARCH CENTRE

ISO 9001: 2015 Certified

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Tel. : 02355 -264137 / 264149 / 9356427731 / 8847790149 / 9656510149
Email: info@walawalkarhospital.com Website: www.walawalkarhospital.com

Outward No:-BKLWRC/IEC/36/2021

Date:- 10.10.2021

To
Dr. Sunil Nadkarni
Samarthakrupa Lifesciences Pvt. Ltd.

Subject: Final Approval of project # 128

The Institutional Ethics Committee reviewed your revised application to conduct the research study entitled "A Phase I/II clinical trial to examine the safety and efficacy of autologous, cultured disc chondrocytes embedded in PRF transplanted in patients' disc to maintain its function", discussed during the 55th meeting held on 18.09.2021 at 7.00pm in the Meeting Room in OPD building at BKL Walawalkar Rural Medical College and Hospital (BKLWRC&H). Most members joined the meeting online.

The following members of the BKLWRC&H-IEC joined the virtual meeting online:

Sr. No.	Name	Affiliation	Gender	Expertise
1	Dr. Mahendra Gulati	A201, Gold Coast Ivory, Estate Banner Road, Near Green Park Hotel Banner, Pune 8	Male	Chairman
2	Dr. Arvind S. Yadav	BKL Walawalkar Rural Medical College & Hospital, Sawarde	Male	Secretary
3	Dr. Shripad Banavali	Professor & Consultant Haematologist- Oncologist, Tata Memorial Hospital, Mumbai. 11/A, JyotiSadan, Sitaladevi Temple Road, Mahim, Mumbai - 400016.	Male	Clinician
4	Mr. Suresh S. Pakale	Advocate, Eliphistone Building, 1 st Floor, 10, Veer Nariman Road, Near Horniman Circle, Fort, Mumbai- 400001.	Male	Legal Expert
5	Mr. Mandar Phadke	17, Vrundavan Society, Navi Peth, Near Mhatre Bridge, Chintamani Bungalow, Pune- 30.	Male	Lay person

128_Sunil Nadkarni_Final Approval_2021

Shri Vithalrao Joshi Charities Trust's

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3) "Liquid Biopsy for early detection and monitoring disease progression in Cancer"



Shri Vithalrao Joshi Charities Trust's
**B. K. L. WALAWALKAR HOSPITAL,
DIAGNOSTIC & RESEARCH CENTRE**

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Out Word No:- BKLWH/IEC/496/2020

Date:- 27.12.2020

To
Dr. Neelam Shirsat
Principal Investigator
BKLWH

Subject: Final Approval of project # 124

The Institutional Ethics Committee reviewed your application **18.12.2020** to conduct the research study entitled "**Liquid Biopsy for early detection and monitoring disease progression in Cancer**" discussed during the **49th meeting** held on **19.12.2020 at 7.00 p.m.** in the Training room in IT Dept. at **B.K.L.Walawalkar Hospital, Diagnostic & Research Centre (BKLWH)**

The following member of the BKLWH -IEC were present:

Sr. No.	Name	Affiliation	Gender	Expertise
1	Dr. Mahendra Gulati	A201, Gold Coast Ivory, Estate Banner Road, Near Green Park Hotel Banner, Pune 8	Male	Chairman
2	Dr. Arvind S. Yadav	BKL Walawalkar Rural Medical College & Hospital, Sawarde	Male	Basic Medical Scientist
3	Dr. Shripad Banavali	Professor & Consultant Haematologist- Oncologist, Tata Memorial Hospital, Mumbai. 11/A, Jyoti Sadan, Sitaladevi Temple Road, Mahim, Mumbai - 400016.	Male	Clinician
4	Mr. Suresh S. Pakale	Advocate, Elphinstone Building, 1 st Floor, 10, Veer Nariman Road, Near Horniman Circle, Fort, Mumbai- 400001.	Male	Legal Expert
5	Mr. Mandar Phadke	17, Vrundavan Society, Navi Peth, Near Mhatre Bridge, Chintamani Bungalow, Pune- 30.	Male	Lay person
6	Mr. Dinesh Pujari	Aakansha Niwas, Sant Rohidas nagar, shivatar road, Khed 1128	Male	Social Scientist
7	Dr. Mrs. Suneeti Gore	Microbiologist, Shivajinagar, S.No. 504, 8, Kamala Regency, Dynaneshwar Paduka Chowk, Ferguson college road, pune-411016	Female	Scientist

Neelam Shirsat_Final Approval_2020

B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE



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4) Isolation and characterization of secretory IgA from human milk from previously COVID-19 positive mothers 'and uninfected mothers'

Shri Vithalrao Joshi Charities Trust's

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Tel.: 91 02355 264137 / 264149. Fax : +91 02355 264181
Email: info@walawalkarhospital.com. Website: www.walawalkarhospital.com

Out Word No:- BKLW/RMC/IEC//2020 (59)-83 Date:- 24.06.2020

To
Dr. Yogendra Shelke
Principal Investigator
BKLWRC&H

Subject: Final Approval of project # 83

The Institutional Ethics Committee reviewed your application 16.06.2020 to conduct the research study entitled "Isolation and characterization of secretory IgA from human milk from previously COVID-19 positive mothers' and uninfected mothers" discussed during the 46th meeting held on 21.06.2020 at 11.00 a.m. in the Training room in IT Dept. at B.K.L.Walawalkar Rural Medical College and Hospital (BKLWRC&H)

The following member of the BKLWRC&H -IEC were present:

Sr. No.	Name	Affiliation	Gender	Expertise
1	Dr. Mahendra Gulati	A201, Gold Coast Ivory, Estate Banner Road, Near Green Park Hotel Banner, Pune 8	Male	Chairman
2	Dr. Arvind S. Yadav	BKL Walawalkar Rural Medical College & Hospital, Sawarda	Male	Basic Medical Scientist
3	Dr. Shripad Banavali	Professor & Consultant: Haematologist- Oncologist, Tata Memorial Hospital, Mumbai, 11/A, Jyoti Sadan, Sitaladevi Temple Road, Mahim, Mumbai - 400016.	Male	Clinician
4	Dr. Santosh C. Gursale	BKL Walawalkar Rural Medical College & Hospital, Sawarda	Male	Clinical Pharmacologist
5	Mr. Suresh S. Pekale	Advocate, Ellahistone Building, 1 st Floor, 10, Veer Nariman Road, Near Horniman Circle, Fort, Mumbai- 400001.	Male	Legal Expert

83_Yogendra Shelke_Final Approval_2020

Shri Vithalrao Joshi Charities Trust's

B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE



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5) Good Manufacturing Practices (GMP) compliant scale up of Human Platelet Lysate (hPL) as a Product for Clinical Grade Expansion of Human Cells for Cellular Therapies.

Shri Vithalrao Joshi Charities Trust's
B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE

BKL Walawalkar Rural Medical College

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Out Word No:- BKLW/RMC/IEC/ /2019(11)-62 Date:- 17/11/2019

Approval Letter

To
Dr. Rohit Bhat

Subject: IEC Approval Letter

On 16th November, 2019 the IEC of B.K.L.Walawalkar Rural Medical College and Hospital reviewed and discussed the following documents with regards to your submission on research proposal as entitled "GMP compliant scale up of Human Platelet Lysate (hPL) as a Product for Clinical Grade Expansion of Human Cells for Cellular Therapies."

Documents Submitted for EC reviews & approved are listed below:

Sr. No.	Document
1	Project Submission Form - P62
2	Presentation "P62.ppt": 16 th November, 2019

The above documents were reviewed by the ethics committee member and the study is approved by IEC to be conducted in its present form. You are requested to submit the progress report after 6 months to IEC for review. Any change, modification or deviation in protocol must be informed to IEC. Any protocol modification or amendment must receive IEC approval.

We hereby confirm that you have not participated in the voting/ decision making procedure of the Ethics committee. The members of the committee who have participated in the voting / decision making procedure of the Ethics committee do not have any conflict of interest in the referred study. Also you are requested to provide a copy of the final report. This Ethics Committee is organized and operates according to Good Clinical Practice and Schedule Y requirements.

Yours Sincerely,


Dr. Mahendra Gulati,
Chairman, Ethics Committee,
BKLWRMCH


Medical Director
B. K. L. Walawalkar
Rural Medical College

B. K. L. WALAWALKAR RURAL MEDICAL COLLEGE

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Fax : +91 02355 264693 Email : info@bklwrmc.com
Website : www.walawalkarmedicalcollege.com

PATENT

Patent No	Name of patent	Patentee
Application No.201921024182 A	A MENSTRUATION PREDICTION KIT	Dr. Suvarna Netaji Patil
366819	An apparatus for disinfection of household objects and material	Mr. Vikas Kamlakar Walawalkar Dr. Suvarna Netaji Patil Dr. Sunil Manohar Nadkarni

(12) PATENT APPLICATION PUBLICATION		(21) Application No.201921024182 A
(19) INDIA		
(22) Date of filing of Application :18/06/2019		(43) Publication Date : 09/10/2020
(54) Title of the invention : A MENSTRUATION PREDICTION KIT		
(51) International classification	:A61F0013420000, G01N0033720000, G01N0033530000, A61F0013472000, A61B0010000000	(71)Name of Applicant : 1)B. K. L. Walawalkar Hospital, Diagnostic and Research Center Address of Applicant :at Kasarwadi, a/p Sarawade, Tal. Chiplun, Dist. Ratnagiri-415606 Maharashtra India
(31) Priority Document No	:NA	(72)Name of Inventor : 1)Dr. Suvarna Netaji Patil
(32) Priority Date	:NA	
(33) Name of priority country	:NA	
(86) International Application No	:NA	
Filing Date	:NA	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	
(57) Abstract :		
A menstruation prediction device or kit for predicting the onset of menstruation 24 hours in advance and qualitatively determining progesterone in a saliva sample during luteal phase of menstrual cycle in fertile women and girls and menopausal women. The menstruation prediction kit (100) comprises of a sample pad (101), a conjugate pad (103), a stripe area (106) and a wick (107). This point of care device is based on lateral flow technique and encompasses sequentially connected stripes of membranes incorporated in a plastic holder. The sample pad receives the sample (102) which then flows in the direction (108) to enter the conjugate pad wherein the progesterone and antibody complex is formed. This complex further migrates to the strip area that presents a coloured display at test line (104) or control line (105) suggesting presence or absence of progesterone.		
No. of Pages : 21 No. of Claims : 11		

Ref. No. 202021026379

दिनांक/ Dated the 17/05/2021

सेवा में, To :

Address of Service: Rashmi Gargish Hingwale, 143, Shamwar Path, Pune-411030, MH, India
Email Id - rashmihingwale@gmail.com, gargish@gmail.com

विषय :- पेटेंट आवेदन संख्या 202021026379 के संबंध में अधिनियम की धारा 43 के तहत पेटेंट अनुदान तथा पेटेंट रजिस्ट्रार ने प्रेषित की सूचना
Sub :- Intimation of the grant and recordal of patent under section 43 of the Act in respect of patent application no. 202021026379

साहोबा/सहोबा,
Sa/Sadana,

आपको सूचित किया जाता है कि पेटेंट अधिनियम, 1970 की धारा 12 व 13 तथा उस अधिनियम के तहत अनुदान पेटेंट आवेदन के प्रेषण [तथा 24/02/2021 को
हुई सूचना] के आधार पर पेटेंट अनुदान किया जाता है। तथा पेटेंट अनुदान की प्रेषित 17/05/2021 को पेटेंट रजिस्ट्रार ने वापसी की है।

This is to inform you that following the examination of above mentioned patent application under section 12 and 13 of The Patents Act, 1970 and Rules made thereunder [and hearing held on 24/02/2021] a patent is hereby granted and recorded in the Register of Patents on the 17/05/2021. The Patent Certificate is enclosed herewith.

पेटेंट संख्या / Patent No : 366819
अपेक्षक का नाम / Name Of Applicant : 1.Mr. Vikas Keshkar Walawalkar 2.Dr. Sujana Netaji Patil 3.Dr. Sand Manohar Nadkarni
पेटेंट दिनांक / Date of Patent : 22/06/2020
प्रारंभिक तिथि / Priority Date : 22/06/2020
परीक्षा हेतु अनुरोध दर्जित करने की तिथि / Filing date of Request for examination : 28/06/2020
शीर्षक / Title : AN APPARATUS FOR DISINFECTION OF HOUSEHOLD OBJECTS & MATERIAL AND METHOD THEREOF
दावों की संख्या / Number of claims : 09 as on date 24-02-2021

अनुदान पेटेंट के अनुदान का प्रकाशन अधिनियम की धारा 43 के तहत पेटेंट कार्यालय के अधिकारीक जर्नल में किया जाएगा
The grant of above mentioned patent will be published in the Official Journal of the patent Office under section 43 of the Act

पेटेंट अधिनियम 1970 तथा संशोधित पेटेंट (संशोधन) नियम, 2005/ पेटेंट नियम, 2003 तथा संशोधित पेटेंट (संशोधन) नियम, 2016 की धारा 142 की उप-धारा (4) के
अनुसार पेटेंट के तहत आवेदन प्रेषित की तिथि से 3 माह के भीतर इस कार्यालय में नवीकरणा शुल्क भर दिया जाना चाहिए।
The payment of renewal fee is required to be made at this office within three(3) months from the aforesaid date of recording according to the
proviso in sub-section(4) of Section 143 of The Patents Act, 1970, as amended by The Patents (Amendment) Act, 2003 / The Patents Rules, 2003
as amended by The Patents (Amendment) Rules, 2016.

Suman Pandey
(नियंत्रक पेटेंट)
Controller of Patents

टिप्पणी / Note :

1. संशोधित नवीकरणा शुल्क हेतु कृपया सार्वजनिक पेटेंट, अधिकार एवं वाणिज्यिक चिह्न की अधिकारीक वेबसाइट www.ipindia.gov.in पर उपलब्ध पेटेंट (संशोधन) नियम 2016 की
प्रथम अनुसूची (सूची) देखें।

Fee revised renewal fees kindly refer to the First Schedule (first) of The Patents (Amendment) Rules 2016 available on the official website of
Controller General of Patents, Designs and Trade Marks www.ipindia.gov.in

2. कार्यालय द्वारा पेटेंट प्रमाणपत्र की प्रतियाँ प्रेषित अलग से जारी नहीं की जाएगी।

No hard copy of Patent Certificate shall be issued separately by the office.


Medical Director
B. K. L. Walawalkar
Rural Medical College