

BIOPOTENTIA_{LLP}

#403, Visishta Apartments, Nizampet, Telangana, India

Memorandum of Understanding

This MOU is executed on **18-04-2021** between

PARTY 1: **Biopotentia LLP**

PARTY 2: **SVS Institute of Dental Sciences**

Whereas, in 2020, **Biopotentia LLP** identified a proof of concept on using NANO SILVER PARTICLES IMPREGNATED GUIDED TISSUE REGENERATION MEMBRANES based on which **SVS Institute of Dental Sciences** has agreed to hold clinical trials subject to ethical guidelines and approvals.

Whereas the company has identified **SVS Institute of Dental Sciences** to carry part of its study that will involve providing necessary services required for holding clinical trials on the product as per the schedule and terms agreed mutually. Now thereof the parties for valid consideration enter into this MOU:

1. **OBJECTIVE:** The present study primarily aims to test Nano Silver Particles Impregnated Guided Tissue Regeneration Membranes.
2. **SCOPE OF WORK: The scope of work shall include:**

After a preliminary biocompatibility study of the material, evaluation of the Nano Silver Particles Impregnated Guided Tissue Regeneration Membranes on human subjects will be conducted. In 50 individuals with bone defects, Nano Silver Particles Impregnated Guided Tissue Regeneration Membranes will be placed in test site and a collagen matrix will be placed in the control site. The surgical site will be allowed to settle for 3 and 6 months,

and at each time interval, appropriate clinical and radiographic measurements will be taken to measure the recession coverage.

ROLES & RESPONSIBILITIES:

SVS Institute of Dental Sciences: Generation of data on the efficacy of the scaffold by

- a. Recruitment of subjects fulfilling inclusion criteria
- b. Performing the procedure and to scrupulously maintain records
- c. Ensure constant examiner reliability and calibration through records checking and training.

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- a. Provision of **70 packed scaffolds** with appropriate permits and relevant paperwork
- b. Timely verification of completeness of the records for their own perusal
- c. Publishing the results of the trial with PIs from both the entities included as authors.

3. CONFIDENTIALITY: All information under the MOU shared between the parties shall be treated as confidential information and shall be subject to restrictions on disclosure other than for the purpose of this MOU. The confidentiality obligations shall survive even after the termination or expiration of this MOU. Confidential information shall not include:

- a. information that is available in public domain;
- b. information already known to the receiving party;
- c. information disclosed to the receiving party by a third party not under obligation of confidentiality;
- d. Information developed by the receiving party independent of the confidential information received under this MOU.

4. **PUBLICATION:** Any publication resulting from the project will include core team members as primary authors and supporting team members will be included based on their overall merit and contribution as defined by a publication's own guideline.

5. **INTELLECTUAL PROPERTY RIGHTS:**

- a. "Intellectual Property" means the legal rights relating to inventions, patent applications, patents, copyrights, trademarks, mask works, trade secrets, and any other legally protectable information, including computer software, first made or generated by such investors.
- b. **Biopotentia LLP** has filed an existing patent on this product. However, any new "Intellectual Property Rights (IPR)" generated during the project will be jointly shared with **Biopotentia LLP** and **SVS Institute of Dental Sciences**.
- c. Patent Prosecution and Expenses. The filing, prosecution, defence and maintenance of all Patents for the Inventions will be conducted and controlled individually in the name of **Biopotentia LLP** acting reasonably and in good faith.
- d. Background Intellectual Property: Any of the party possess rights in background intellectual property, that is, intellectual property not otherwise subjected to this MOU, which would be useful or essential to the practice or commercialization of the results of this MOU, should be disclosed. Except to the limited extent required to perform a party's obligations under this MOU, neither party receives any right, title, or interest in or to any Research Materials provided to it by the other party or any technology, works or inventions of the other party that are not Research Program Inventions, or any patent,

copyright, trade secret or other proprietary rights in any of the foregoing.

- e. Maintaining the Laboratory Notes: Each party agrees that research efforts will be well documented in the form a laboratory notes with accurate data disclosed for each experiment performed therein, during the course of this MOU.

6. TERM AND TERMINATION: This MOU shall be valid for a period of **18 months** from the Effective Date and can be terminated by a notice of six months by either party. The termination of this MOU shall not affect any IP rights accrued and related obligations arising under this MOU. As per the need the MOU will be revised for further duration with same terms and conditions or mutually agreeable modifications.

7. INDEMNIFICATION: Neither party shall be held responsible for the indemnification of their respective obligations under this MOU due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Strikes, Lockouts beyond the control of the party claiming force majeure, Epidemics, Riots, Civil Commotions etc. provided on the occurrence and cessation of any such event the party affected thereby shall give a notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

8. DISPUTE RESOLUTION, GOVERNING LAW AND JURISDICTION:

Any disputes between the parties shall be resolved by mutual discussions. Minor dispute during execution of the project shall be subjected to

resolution out of this MOU. The MoU shall be considered, interpreted and governed by the laws of India and Courts in **The State of Telangana** shall have exclusive jurisdiction in all such matters.

For **Biopotentia LLP**



Dr Kidambi Sneha
Director, Biopotentia LLP

For **SVS Institute of Dental Sciences**






Dr N Viveka Vardhan Reddy
Principal

PALAMUR BIOSCIENCES PRIVATE LIMITED

"Aikya", Flat-401, H.No.10-3-32/9/23,
4th Floor, East Maredpally, Tukaram Gate Road
Opposite to Faust High School
Secunderabad – 500 026.
Tel:040-40122418 Mob:+91 9160975546

Billing & Shipping Address:	
Company:	SVS Institute of Dental Sciences (SVSIDS)
Name:	Dr N Viveka Vardhan Reddy
Address:	Yenugonda,
City/State/Zip	Mahabubnagar- 509002, Telangana

Shipping: As agreed

Description
<p>This " MEMORANDUM OF UNDERSTANDING" is made on 18/07/2019 and is valid until 17/07/2024. Palamur Biosciences agrees to provide first priority to SVSIDS towards advanced research services and higher mammalian animal models for suitably supported studies. Any other test/service requested will also be undertaken to a level that satisfies SVSIDS. Appropriate regulatory guidelines are applicable in this regard.</p>
<p> Authorized Signature:</p> <p></p> <p> CLIENT ACCEPTANCE SIGNATURE & SEAL</p>

PERIOBIOLOGICS LLP

Memorandum of Understanding

EFFECTIVE DATE: This MOU is executed on **07-01-2021** between

PARTY 1: PerioBiologics LLP

PARTY 2: SVS Institute of Dental Sciences

Whereas, in 2020, **PerioBiologics LLP** identified a proof of concept on using RECOMBINANT HUMAN FIBROBLAST GROWTH FACTOR-2 IMPREGNATED ABSORBABLE COLLAGEN MEMBRANES based on which **SVS Institute of Dental Sciences** has agreed to hold clinical trials subject to ethical guidelines and approvals.

Whereas the company has identified **SVS Institute of Dental Sciences** to carry part of its study that will involve providing necessary services required for holding clinical trials on the product as per the schedule and terms agreed mutually. Now thereof the parties for valid consideration enter into this MOU:

1. **OBJECTIVE:** The present study primarily aims to test Human Fibroblast Growth Factor-2 Impregnated Absorbable Collagen Membranes.
2. **SCOPE OF WORK: The scope of work shall include:**

After a preliminary biocompatibility study of the material, evaluation of the FGF2 impregnated collagen membrane on human subjects will be

PERIOBIOLOGICS LLP Hyderabad, Telangana, India

+919908183071

viswachandra@periobiologics.in

conducted. In 18 individuals with recession type defects, FGF-2 impregnated collagen membrane will be placed in test site and a collagen matrix will be placed in the control site. The surgical site will be allowed to settle for 1, 3 and 6 months, and at each time interval, appropriate clinical measurements will be taken to measure the recession coverage.

ROLES & RESPONSIBILITIES:

SVS Institute of Dental Sciences: Generation of data on the efficacy of the scaffold by

- a. Recruitment of subjects fulfilling inclusion criteria
- b. Performing the procedure and to scrupulously maintain records
- c. Ensure constant examiner reliability and calibration through records checking and training.

PerioBiologics LLP

- a. Provision of adequate amount of material with appropriate permits and relevant paperwork
- b. Timely verification of completeness of the records for their own perusal
- c. Publishing the results of the trial with PIs from both the entities included as authors.

3. CONFIDENTIALITY: All information under the MOU shared between the parties shall be treated as confidential information and shall be subject to restrictions on disclosure other than for the purpose of this MOU. The confidentiality obligations shall survive even after the termination or expiration of this MOU. Confidential information shall not include:

- a. information that is available in public domain;
- b. information already known to the receiving party;
- c. information disclosed to the receiving party by a third party

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viswachandra@periobiologics.in

not under obligation of confidentiality;

- d. Information developed by the receiving party independent of the confidential information received under this MOU.

4. PUBLICATION: Any publication resulting from the project will include core team members as primary authors and supporting team members will be included based on their overall merit and contribution as defined by a publication's own guideline.

5. INTELLECTUAL PROPERTY RIGHTS:

- a. "Intellectual Property" means the legal rights relating to inventions, patent applications, patents, copyrights, trademarks, mask works, trade secrets, and any other legally protectable information, including computer software, first made or generated by such investors.
- b. **PerioBiologics LLP** has **NOT** filed an existing patent on this product. However, any new "Intellectual Property Rights (IPR)" generated during the project will be jointly shared with **PerioBiologics LLP** and **SVS Institute of Dental Sciences**.
- c. Patent Prosecution and Expenses. The filing, prosecution, defence and maintenance of all Patents for the Inventions will be conducted and controlled individually in the name of **PerioBiologics LLP** acting reasonably and in good faith.
- d. Background Intellectual Property: Any of the party possess rights in background intellectual property, that is, intellectual property not otherwise subjected to this MOU, which would be useful or essential to the practice or commercialization of the results of this MOU, should be disclosed. Except to the limited extent required to perform a party's obligations under this MOU, neither party receives any right, title, or interest in or to any Research Materials provided to it by the other party

PERIOBIOLOGICS LLP Hyderabad, Telangana, India

+919908183071

viswachandra@periobiologics.in

or any technology, works or inventions of the other party that are not Research Program Inventions, or any patent, copyright, trade secret or other proprietary rights in any of the foregoing.

- e. Maintaining the Laboratory Notes: Each party agrees that research efforts will be well documented in the form a laboratory notes with accurate data disclosed for each experiment performed therein, during the course of this MOU.

6. TERM AND TERMINATION: This MOU shall be valid for a period of **TWO** years from the Effective Date and can be terminated by a notice of six months by either party. The termination of this MOU shall not affect any IP rights accrued and related obligations arising under this MOU. As per the need the MOU will be revised for further duration with same terms and conditions or mutually agreeable modifications.

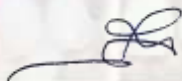
7. INDEMNIFICATION: Neither party shall be held responsible for the indemnification of their respective obligations under this MOU due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Strikes, Lockouts beyond the control of the party claiming force majeure, Epidemics, Riots, Civil Commotions etc. provided on the occurrence and cessation of any such event the party affected thereby shall give a notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

8. DISPUTE RESOLUTION, GOVERNING LAW AND JURISDICTION:

PERIOBIOLOGICS LLP Hyderabad, Telangana, India
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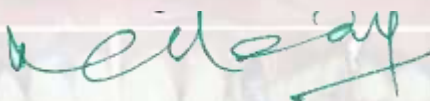
Any disputes between the parties shall be resolved by mutual discussions. Minor dispute during execution of the project shall be subjected to resolution out of this MOU. The MoU shall be considered, interpreted and governed by the laws of India and Courts in **The State of Telangana** shall have exclusive jurisdiction in all such matters.

For **PerioBiologics LLP**



Dr R Viswa Chandra
Director, PerioBiologics LLP

For **SVS Institute of Dental Sciences**



Dr N Viveka Vardhan Reddy
Principal

PERIOBIOLOGICS LLP Hyderabad, Telangana, India
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viswachandra@periobiologics.in

Memorandum of Understanding

EFFECTIVE DATE: This MOU is executed on **24-08-2020** between

PARTY 1: SVS Institute of Dental Sciences representing the *academia* and

PARTY 2: Ramah Biosolutions Pvt Ltd representing the *industry*

Whereas, the Ramah Biosolutions Pvt Ltd has developed proof of concept with regard to a **low-cost non-invasive oral cancer screening device**

Whereas the company has identified **SVS Institute of Dental Sciences** to carry part of its study that will involve providing necessary services required for the testing and validation of a low-cost non-invasive oral cancer screening device

Whereas **SVS Institute of Dental Sciences** has agreed to perform such required service which is **testing of the low-cost non-invasive oral cancer screening device** as per the schedule and terms agreed mutually. Now thereof the parties for valid consideration enter into this MOU:

1. **OBJECTIVE:** The present study primarily aims to validate the device in identifying cancerous lesions.

2. **SCOPE OF WORK: The scope of work shall include:**
 1. Manufacture of 15 oral cancer screening devices for validation and training and calibration of staff in its use.
 2. Generation of data on the efficacy of the device in identifying cancerous lesions.
 3. Final validation of the device in identifying cancerous lesions.

3. **ROLES & RESPONSIBILITIES:**
 - SVS Institute of Dental Sciences:** Generation of data on the efficacy of the device in identifying cancerous lesions by
 - a. Recruitment of subjects with oral cancer and to act as a nodal center for setting norms and practices to establish conformity with off-site recruitment of subjects by the company
 - b. Analysis of all records in the cloud-based server to ensure uniform reporting, diagnosis and follow-up of subjects with suspected and confirmed oral cancers.
 - c. Ensure constant examiner reliability and calibration through records checking and training.
 - Ramah Biosolutions Pvt Ltd:**
 - a. Completion of the manufacture of 15 devices for validation and training and calibration of staff in its use.
 - b. Ensuring device health and usage. Verification of completeness of the records at

ground level as well.

- c. Off-academia recruitment of Oral cancer subjects to validate the device parallelly though at a lower sample size.
4. **CONFIDENTIALITY:** All information under the MOU shared between the parties shall be treated as confidential information and shall be subject to restrictions on disclosure other than for the purpose of this MOU. The confidentiality obligations shall survive even after the termination or expiration of this MOU. Confidential information shall not include:
- a. information that is available in public domain;
 - b. information already known to the receiving party;
 - c. information disclosed to the receiving party by a third party not under obligation of confidentiality;
 - d. Information developed by the receiving party independent of the confidential information received under this MOU.
5. **PUBLICATION:** Any publication resulting from the project will include core team members as primary authors and supporting team members will be included based on their overall merit and contribution as defined by a publication's own guideline.
6. **INTELLECTUAL PROPERTY RIGHTS:**
- a. "Intellectual Property" means the legal rights relating to inventions, patent applications, patents, copyrights, trademarks, mask works, trade secrets, and any other legally protectable information, including computer software, first made or generated by such investors.
 - b. The "Intellectual Property Rights (IPR)" generated during the project will exclusively lie with **Ramah Biosolutions Pvt Ltd**.
 - c. Patent Prosecution and Expenses. The filing, prosecution, defense and maintenance of all Patents for the Inventions will be conducted and controlled individually in the name of **Ramah Biosolutions Pvt Ltd** acting reasonably and in good faith.
 - d. Background Intellectual Property: Any of the party possess rights in background intellectual property, that is, intellectual property not otherwise subjected to this MOU, which would be useful or essential to the practice or commercialization of the results of this MOU, should be disclosed. Except to the limited extent required to perform a party's obligations under this MOU, neither party receives any right, title, or interest in or to any Research Materials provided to it by the other party or any technology, works or inventions of the other party that are not Research Program Inventions, or any patent, copyright, trade secret or other proprietary rights in any of the foregoing.
 - e. Maintaining the Laboratory Notes: Each party agrees that research efforts will be well documented in the form a laboratory notes with accurate data disclosed for each experiment performed therein, during the course of this MOU.

7. **TERM AND TERMINATION:** This MOU shall be valid for a period of **Three** years from the Effective Date and can be terminated by a notice of six months by either party. The termination of this MOU shall not affect any IP rights accrued and related obligations arising under this MOU. As per the need the MOU will be revised for further duration with same terms and conditions or mutually agreeable modifications.

8. **INDEMNIFICATION:** Neither party shall be held responsible for the indemnification of their respective obligations under this MOU due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Strikes, Lockouts beyond the control of the party claiming force majeure, Epidemics, Riots, Civil Commotions etc. provided on the occurrence and cessation of any such event the party affected thereby shall give a notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

9. **DISPUTE RESOLUTION, GOVERNING LAW AND JURISDICTION:**

Any disputes between the parties shall be resolved by mutual discussions. Minor dispute during execution of the project shall be subjected to resolution out of this MOU. The MoU shall be considered, interpreted and governed by the laws of India and Courts in **The State of Telangana** shall have exclusive jurisdiction in all such matters.

For SVS Institute of Dental Sciences



Dr N Sripriya MDS

Vice Principal (Academics)
SVS Institute of Dental Sciences
Appana Palli
Mahbubnagar
Telangana

For Ramah Biosolutions Pvt Ltd



Dr D Rama Raju MDS

Director
Ramah Biosolutions Pvt Ltd
Saroornagar
Hyderabad