

**EXPLORING MELOKURA:**

**A DECADE OF INTERDISCIPLINARY SCIENTIFIC RESEARCH**



**THE ROAD TO BETTER**

**HEALTH**

INSTITUTE OF FREQUENCY THERAPEUTICS



“ FUTURE MEDICINE  
WILL BE THE  
MEDICINE OF  
FREQUENCY ”

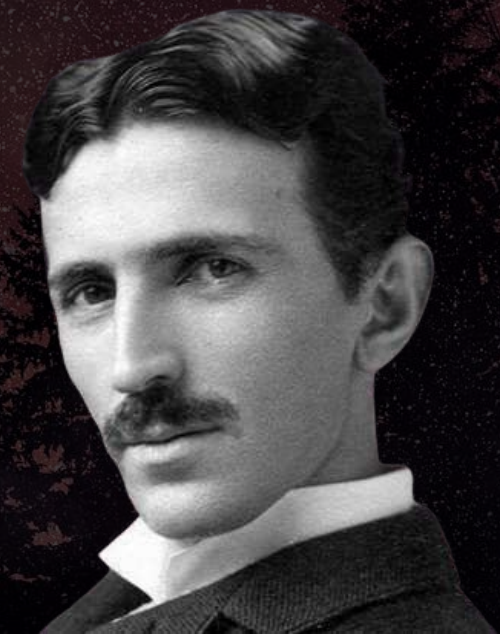
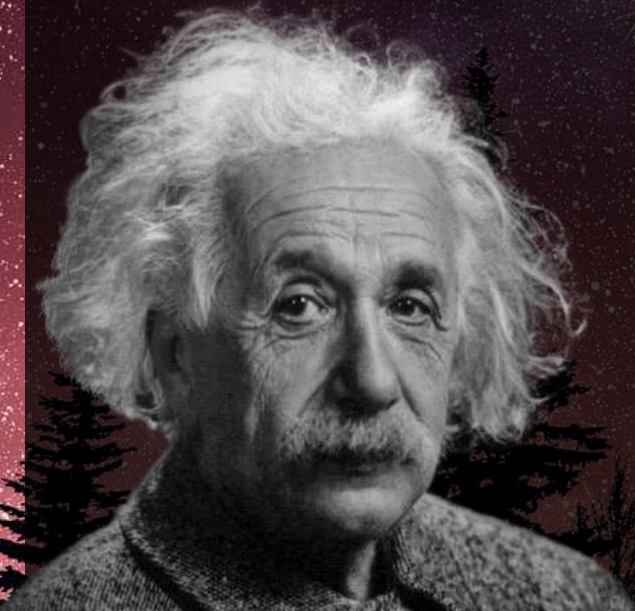
Albert Einstein

THAT FUTURE IS NOW

“ IF YOU WISH TO  
UNDERSTAND THE  
UNIVERSE, THINK ENERGY,  
FREQUENCY & VIBRATION ”

Nikola Tesla

  
MeloKura



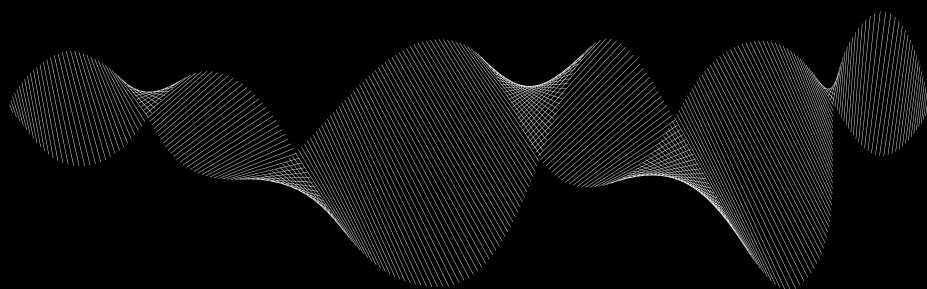


Validating MeloKura  
Frequency Sound Streams  
Across Scientific  
Institutions and Cultures

# MeloKura is a groundbreaking project at the intersection of science and culture.



Over the past ten years, our team has embarked on a journey to validate the frequency sound streams, collaborating with esteemed scientific institutions spanning various countries. Our mission goes beyond scientific exploration; it embraces the rich tapestry of global cultures, incorporating diverse perspectives into our research endeavors.





## TESTING PARTNERS



AALBORG UNIVERSITY  
DENMARK



KØBENHAVNS  
UNIVERSITET



SEOUL NATIONAL UNIVERSITY



이지브레인  
EASYBRAIN

EASY BRAIN CENTRE



Danish  
Sound  
Network

MYO DYNAMIK



CENTER FOR  
DEUTERIUM  
DEPLETION

curo  
DIAGNOSTICS



CardioMood



NEURORA





AALBORG UNIVERSITY  
DENMARK

## SCIENTIFIC PUBLICATION

### RESULTS

Significant increase in:

**PSD increase by 33% in  
just one session**

**Stress decrease by 37%**

**Muscle functionality and  
coordination increase 82%**

## SCIENTIFIC VALIDATION



MeloKura AALBORG UNIVERSITY

# SCIENTIFIC PUBLICATION

## AALBORG UNIVERSITY



- Pain-free, non-invasive, no side-effects
- The AMG (acoustic myography) muscle function data support the South Korean findings
- Can address many conditions, e.g. stress and anxiety related tensions, aiding recovery from injuries

### Blind Study

Blind Study comparing MeloKura to Normal relaxing music with normal music showing no effects positive on same parameters as MeloKura

**FUNDED BY THE DANISH  
INNOVATION FUND, RESULTS  
PUBLISHED BY AALBORG UNIVERSITY**

publication available on this link

**<https://vbn.aau.dk/en/publications/treatment-of-resting-muscle-tension-through-transdermal-sound-wave>**



# SCIENTIFIC PUBLICATION

AALBORG UNIVERSITY



**Conclusion:** Sound therapy of a certain frequency (Melocura) has a positive effect on muscle coordination and efficiency, measured by AMG and expressed in terms of the E-score. In contrast, Normal Relaxing Music had no proven effect on these same parameters

## Stefania Serafin Phd

Phd, Computer Music theory and Acoustics, Stanford University, Stanford, CA

- Professor, Department of Architecture, Design and Media Technology
- Professor, The Technical Faculty of IT and Design
- Professor, Section for Media Technology - Campus Copenhagen
- Multisensory Experience Laboratory
- Sound and Music Computing

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## MULTI-FREQUENCY BIA STATIC MUSCLE TEST

## COMPARING MELOKURA TO NORMAL RELAXING MUSIC

### Multi-frequency BIA – Static Muscle Test

TRAPEZIUS Parameter	Melocura <i>APS</i> % Change 40mins treatment		Normal Relaxing Music % Change 40mins treatment	
Xc	102,7	± 16.0 SD	87.2	± 7.0 SD
fc	90,6	± 8.5 SD	105.7	± 5.6 SD
Ri	94.9	± 14.9 SD	96.1	± 10.0 SD
Mc	120.8	± 22.5 SD	101.7	± 15.1 SD
STERNO Parameter	Melocura % Change 40mins treatment		Normal Relaxing Music % Change 40mins treatment	
Xc	100.1	± 12.3 SD	95.6	± 13.3 SD
fc	93,5	± 15.0 SD	115.1	± 7.0 SD
Ri	100.0	± 20.2 SD	100.7	± 4.3 SD
Mc	109.3	± 18.7 SD	87.6	± 5.5 SD

% Change in Heart Rate (64.5 bpm at rest) remains 101.9% with Normal Relaxing Music after 40 mins of treatment, yet with Melocura it fell to 87.2% of the starting rate. There was no change in the Oxygen saturation for either treatment over time.



# CLINICAL Trials

## Evidence

At MeloKura we understand how important evidence is. We have spent several years conducting studies in collaboration with experts around the world documenting the beneficial effects of MeloKura.

## CLINICAL VALIDATION



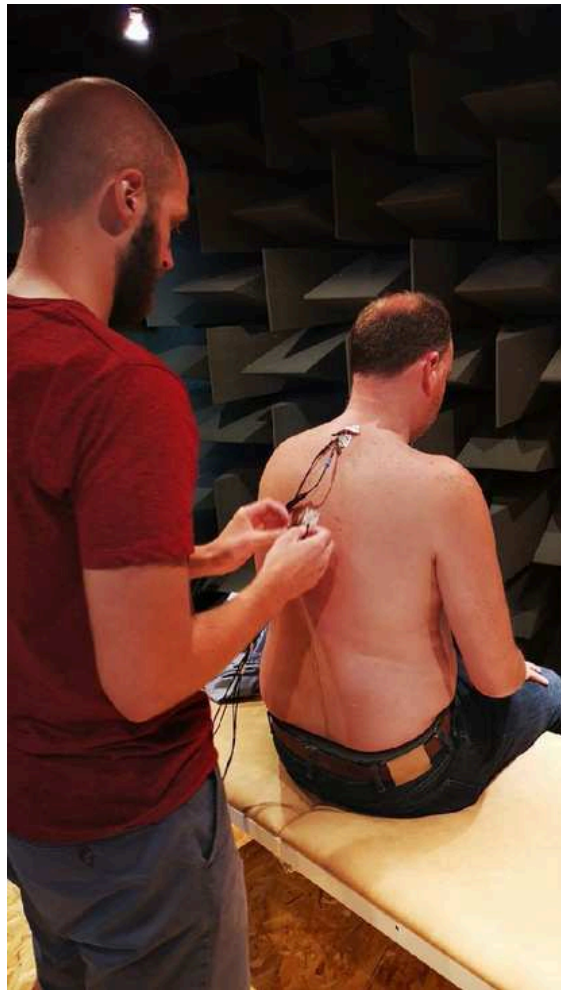
**Copenhagen** University

Dr ADRIAN HARRISON



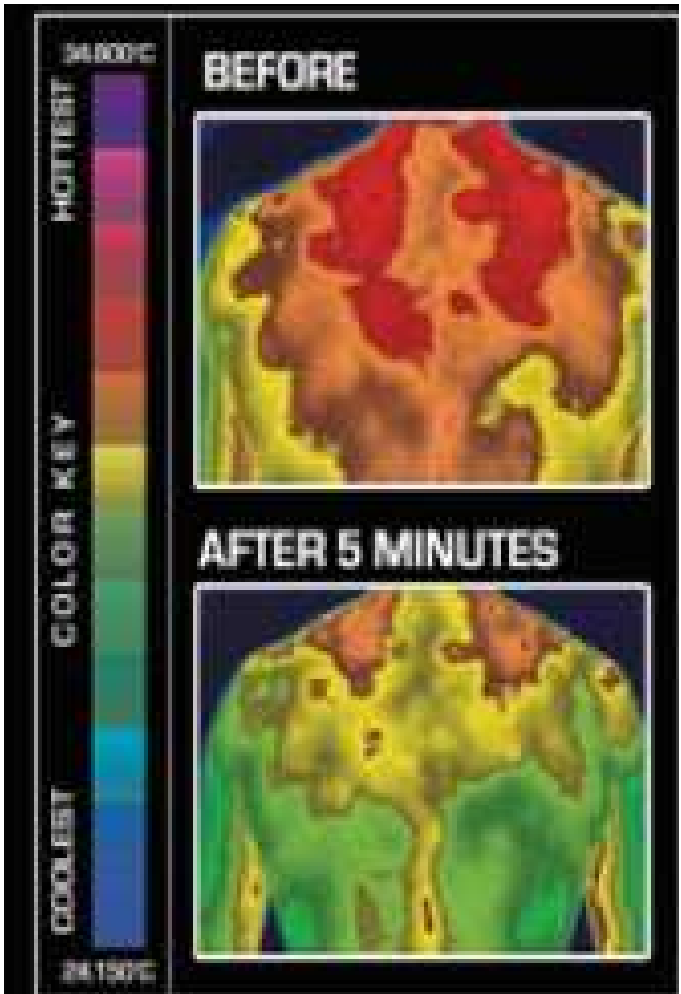
**Copenhagen** University

CURO MYOGRAPHY & IMPEDANCE



**Aalborg** University

TESTING AMG & IMPEDANCE



**Before** and after

THERMO SCAN







## TEAM SEOUL NATIONAL UNIVERSITY- NEUROLOGICAL RESEARCH DEPARTMENT & EASY BRAIN CENTRE

## EEG AND HRV MEASUREMENTS

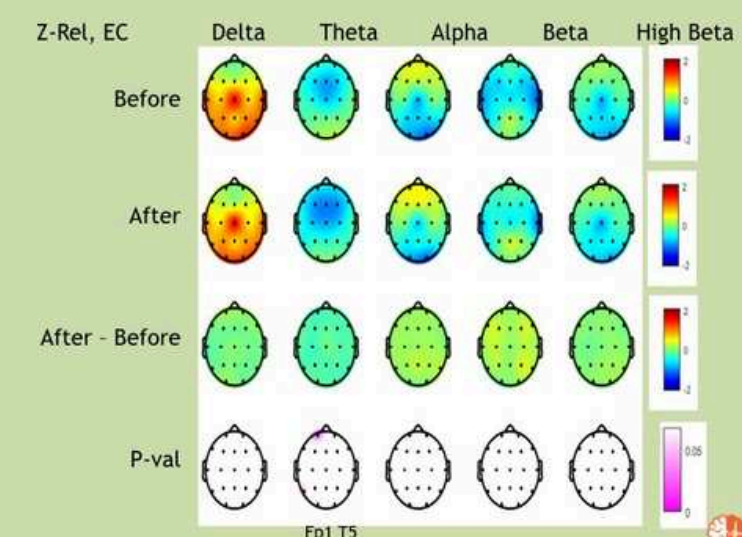


### SEOUL NATIONAL UNIVERSITY- NEUROLOGICAL RESEARCH DEPARTMENT

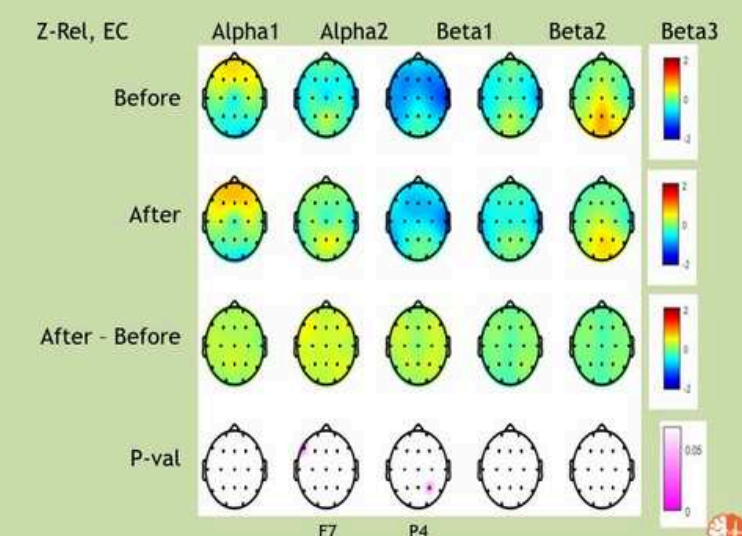


### EASY BRAIN CENTRE

### EEG results (N=20, Total)



### EEG results (N=20, Total)







## Easy Brain Center and Seoul National University, South Korea, 2016 – 2018

- 25 people tested Stress Relief and Deep Sleep using EEG and HRV
- MeloKura has a positive effect on the autonomic nervous system, improving resilience
- A single 40-minute MeloKura session:
  - Increased PSD (pulse standard deviation) by 33%
  - Decreased stress levels by 47%
  - Improved sleep quality by 67%

## Center for Deuterium Depletion, USA, 2019 – 2020

Sleep trial, 120 patients with serious metabolic disorder:

- A 90 % decrease in pain medication
- An increase in REM and deep sleep cycles
- Increase in melatonin (sleep hormone);
- Decrease in cortisol (stress hormone)
- A decrease in awake events and total awake time
- The ability to enjoy family and friends better and overall improved quality of life





# UNIVERSITY OF COPENHAGEN



## COLLABORATIVE TESTIMONIALS

I have been working with MeloCura sounds since January 2018. Initially, I tested the sound therapy on horses using AMG measurements from Curo Diagnostics. The positive results amazed me, and I chose to be part of the further testing on humans using MeloCura sounds and comparing these to normal relaxing music.

The AMG data obtained for the human subjects that completed this study showed a significant improvement in the efficiency/coordination of the neck and back muscle contractions that they performed Post Melocura as compared with Pre. These improvements in muscle function were significant for both muscles, not only showing a significant increase in the E-score, but also a significant overall effect of muscle function, as represented by the similarly improved integrated score (ESTi). Normal relaxing music had no effects on the same parameters.

The findings of the Easy Brain Centre in Seoul, South Korea, agree with the current findings where an improvement in muscle function was measured after a 40 min Melocura sound trial. Since it is now known that Melocura sounds induce an up regulation of the alpha2 signals in the C3 & C4 regions of the brain, it can be deduced that these sounds not only stimulate motor imagery with an anticipated improved movement and gait response, but perhaps of greater importance proprioception too. It would now seem that through stimulation of the C3 & C4 regions of the brain, by means of Melocura sounds, both motor imagery and proprioception can be enhanced with clear benefits for motor function in human subjects. It is concluded that Melocura sound therapy, with a single 40 min test, has proven efficacy in the improvement of muscle efficiency and coordination, as measured and tested by use of Acoustic Myography with no side effects.

I can highly recommend the usage of MeloCura Audio Therapy daily for anyone suffering from conditions such as Stress, Muscular Tension, Pain, Injury, Recovery, Parkinson, Cerebral Palsy or Fibromyalgia.

A.P. Harrison (D.Phil.) Copenhagen University and Curo Diagnostics



MeloKura **EFFICACY- SLEEP STUDY**



We used MeloCura's pre-sleep and deep sleep streams as an integrated part of an extensive treatment plan for more than 140 patients with life-threatening metabolic diseases. Our approach is based on the fact that a foundation of the disease is sleep dysfunction that results in the inability of the patient's basic biological systems, i.e., detoxification, DNA repair, the immune system, biogenesis, to work effectively, if at all.

Patients were followed by a variety of methods including personal health, devices, blood labs, and clinical evaluations by their primary care physicians.

We only collected observational data; however, we did see the following when it came to sleep:

An increase in healthful sleep time – sleep that was more than 6 hours but less than 8.5 hours with the patient reporting that she or he woke up feeling more rested.

An increase in the REM sleep cycle.

An increase in the Deep sleep cycle.

A decrease in total awake time.

A decrease in awake events.

Improved sleep was seen with each patient, however, the improvement varied with some patients realizing a lot more improvement than others.

More importantly, the severity of the disease associated symptoms decreased. We saw observational data improve for fatigue, cognition, seizures, nausea, pain, lethargy, gratitude, metabolic rate, disease status, balance, vision, strength, flexibility, SPO2, heart rate, HRV, and markers for the disease and health in the blood labs.

Patients also reported improved QOL that included an ability to enjoy family and life better, as well as a better outlook when it came to both their disease treatment and expected outcome. To put it simply, patients using MeloCura as part of our therapy were not only able to sleep better but, as a consequence, also looked forward to waking up. Therefore we are now using MeloCura as a fixed integrated program at Center for Deuterium Depletion.

T. Que Collins, Ph.D. ,  
Science Director Center for Deuterium Depletion [www.ddcenters.com](http://www.ddcenters.com)



# STUDY RESULTS



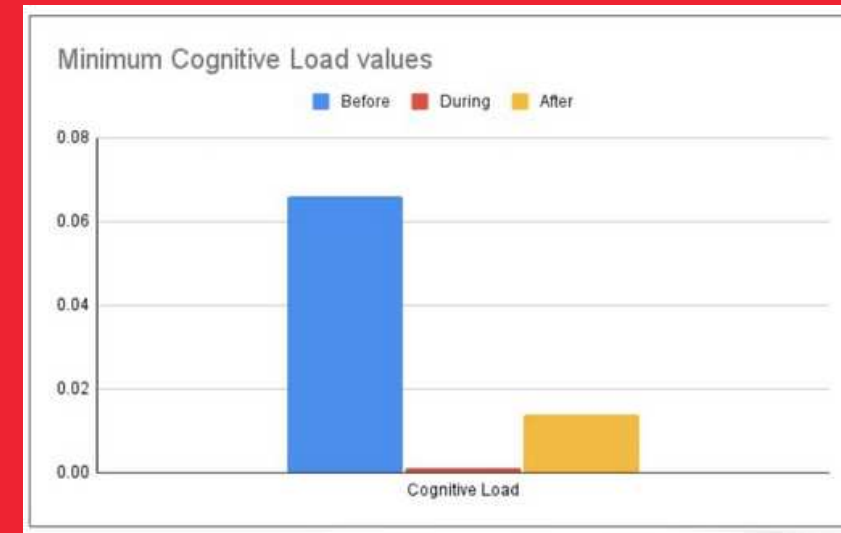
## STRESS RELIEF

On Average  
**37%**  
Cognition Increase

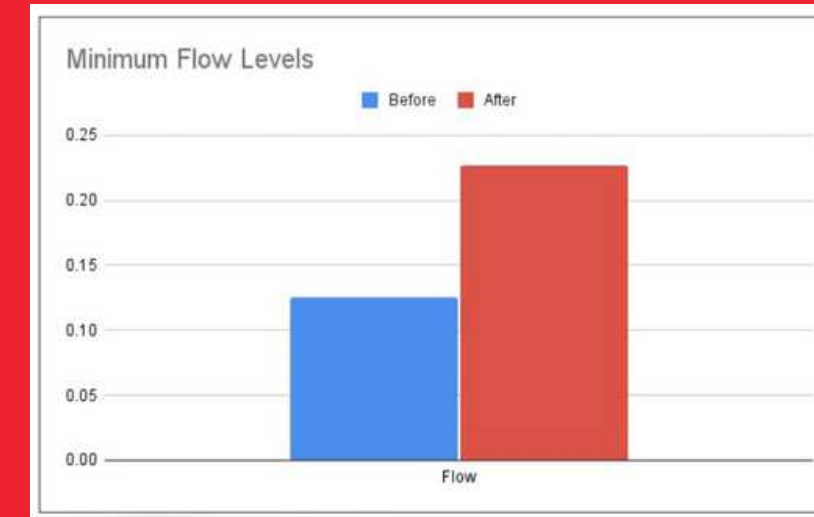
**79%**  
in just 1 session



## EFFICACY STUDY USING EEG



The minimum cognitive load values decreased from 0.066 before the session to 0.014 after the session



The minimum flow values increased from 0.125 before the session to 0.227 after the session



The minimum stress values drop from 0.057 before the session to 0.039 after the session



The overall flow levels increase from 0.403 before the session to 0.502 after the session



The overall stress levels decrease from 0.509 before the session to 0.415 after the session

*Thomas Ousterhout*

Thomas Ousterhout Ph.D.





# EFFICACY STUDY USING EEG

MeloKura decreases stress on average by 30-40 % in just one session whilst you are still working.

**37%**

REDUCES  
STRESS VALUE

**20%**

REDUCES  
OVERALL STRESS

All studies were conducted whilst employees were working.

**79%**

INCREASES  
COGNITIVE LOAD

**25%**

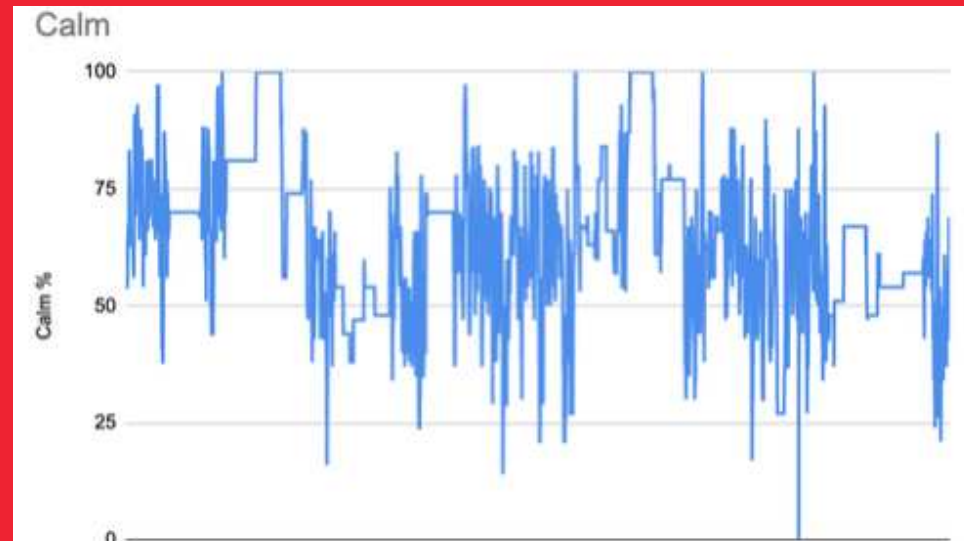
INCREASES  
OVERALL FLOW

MeloKura doesn't take out any time from the workplace.

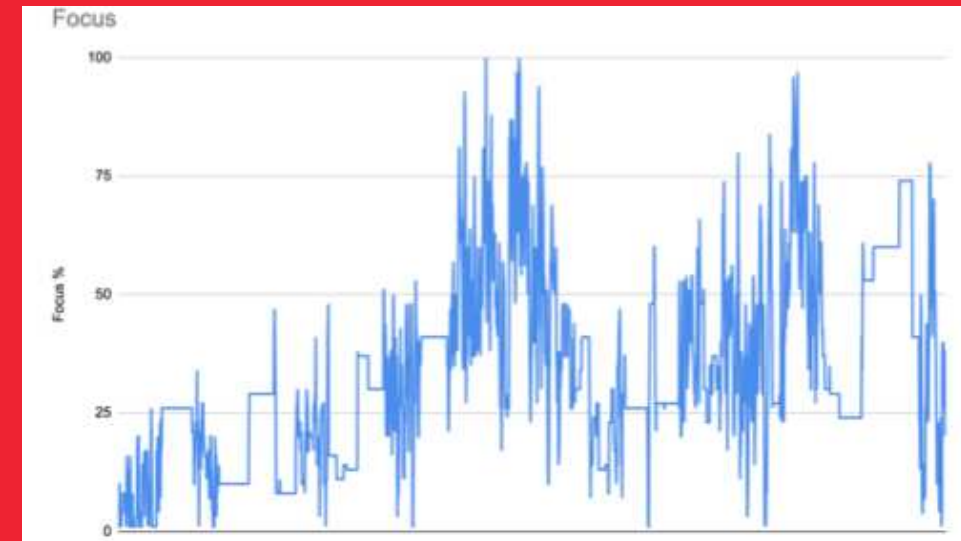




BELOW ARE THE COGNITIVE SCORES OF THE PARTICIPANT WHILST LISTENING TO MELOKURA'S STRESS RELIEF SOUND STREAM.



First, you can see the participant's level of calm is predominantly very high. This implies that the stress relief benefit of the MeloKura sound stream is, in fact, working.



Second, you can see an obvious trend that the participant's focus levels are improving. This could be a side effect of the reduced levels of stress, which allows the participant to focus better.

“Overall, the data shows an objective positive effect on the participant's cognitive levels across both dimensions of stress and focus”

*Thomas Ousterhout*  
-----  
Thomas Ousterhout Ph.D.



LOCAL GOVERNMENT  
CASE STUDY

3,000 LICENCES  
PURCHASED



Esbjerg  
Kommune

DANISH MUNICIPALITY

TRIAL GROUP

49 members of staff

RESPONDENTS

41 members of staff

INCOMPLETE INFO

8 members of staff

USAGE - 1 OR MORE  
STREAMS

61%

STRESS  
RELIEF



Before MeloKura

60% FELT  
OVERLOADED  
of staff

5 and above  
on a scale of 1 to 10

After MeloKura

only 20%  
of staff felt overloaded

DEEP  
SLEEP



Before MeloKura

39% ENERGY LEVELS  
of staff

7 and above  
on a scale of 1 to 10

After MeloKura

73%  
of staff had energy levels 7 & above

WELLNESS  
OPTIMISER



Before MeloKura

39% ENERGY LEVELS  
of staff

7 and above  
on a scale of 1 to 10

After MeloKura

80%  
of staff had energy levels 7 or above

FEEDBACK



"MeloKura is collaborating with Esbjerg Kommune providing a white-label selfcare app that is easy to use anywhere, anytime to increase the wellbeing, relief and healing of its employees".



Heidi Vestergaard Larsen

Head of Education, IT & Working Environment



Esbjerg  
Kommune

Before MeloKura

26.7% SLEEP QUALITY  
of staff  
no 9's or 10's reported  
7 and above  
on a scale of 1 to 10

After MeloKura

73.3% 26.7% reporting their  
sleep to be 9 out of 10  
of staff had sleep quality of 7 or above

Before MeloKura

26.6% ANXIETY LEVEL  
of staff  
no 9's or 10's reported  
7 and above  
on a scale of 1 to 10

After MeloKura

73.4% CALMNESS  
LEVEL  
of staff  
6.7% reporting their  
calmness level being  
10 out of 10  
7 and above  
on a scale of 1 to 10





Esbjerg  
Kommune



## DANISH LOCAL GOVERNMENT CASE STUDY

### testimonials

"Before using MeloKura, I slept only 4 hours a night several times a week. Now it only happens about 1 time per week that I only sleep 4 hours a night. Now my night's sleep is up to about 7 hours most nights."

"I have arthritis and experience pain daily. Pain relief makes me relax for the night"

"As previously written, I know that it works, as I used it a lot in the beginning, right now it is paused, which I can feel - so will probably use it again. "

"I mostly use Pre-Sleep and it makes me fall asleep quickly and I sleep for longer periods of time and sometimes completely without waking up - it's nice :) "

"I generally have a lot of anxiety in my body after I have been affected by stress in 2018. After using MeloKura Stress Relief I notice marked change. Uses the program daily after returning from work. "

"I put MeloKura on when I come to work, and I listen to it while I sit in front of my computer and work"

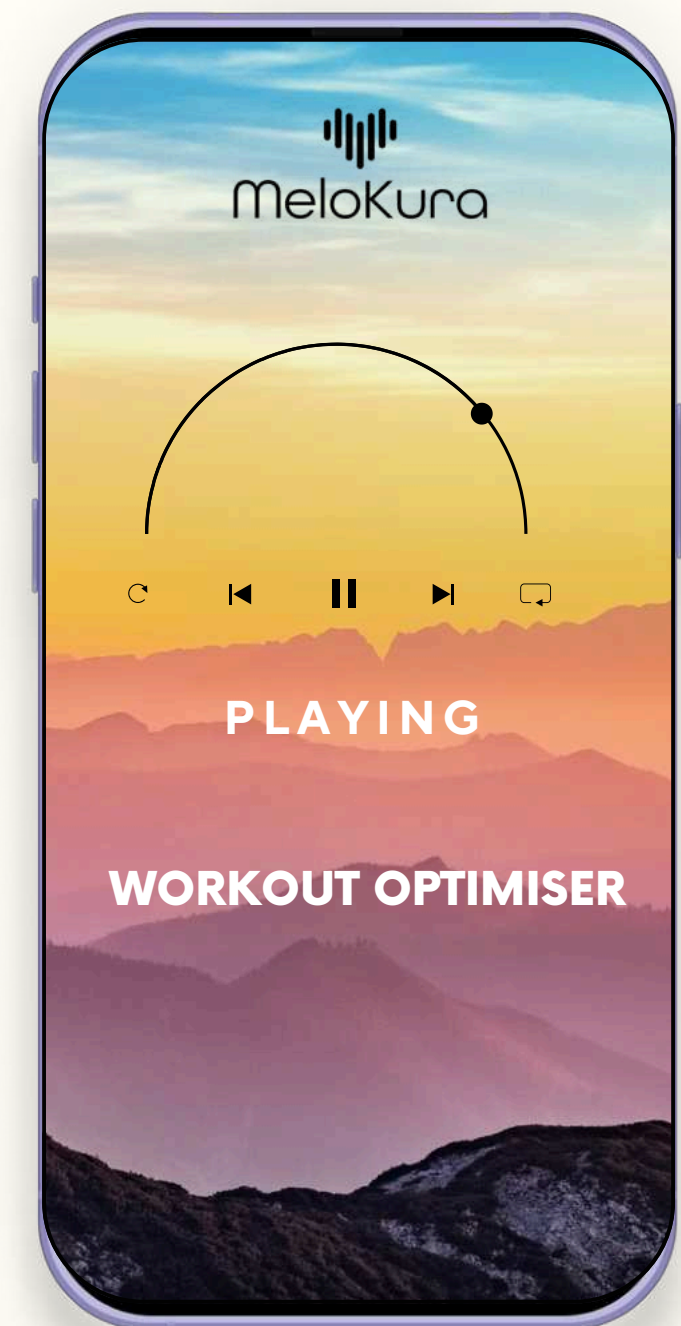
"I suffer from chronic neck/shoulder pain and a worn hip/knee. I also have facet joint syndrome, so I am used to having pain daily. Seems I can feel a significant difference with Wellness Optimizer and Pain Relief daily."

"I have noticed significant improvement in my daily life, I have slept better, I feel less restless in my body, and have more energy and my mood has improved."

"I can feel I have increased energy, already after the first few days. "

"It's amazing that "music" of this kind can have such a big impact. "

OVER  
**81%**  
RECOMMEND  MeloKura





## CASE STUDY

# Semco Maritime

[HTTPS://WWW.SEMCOMARITIME.COM/](https://www.semcomaritime.com/)

**Semco Maritime** has made a targeted selection of MeloKura sound streams available to its workforce worldwide.

**2,200 LICENCES  
PURCHASED**

**MeloKura works** closely with Semco Maritime's HR and Health and Wellbeing personnel to provide data and reporting, enabling informed decisions and continuous improvement of employee health and wellbeing.

enterprise to enterprise solutions



## FEEDBACK

"Based on our desire to increase the health and well-being of our employees and according to UN Sustainable Development Goal 3: Ensure healthy lives and promote well-being for all at all ages we see MeloKura as a great tool in achieving these goals."

**Marianne Kirkensgaard  
Hansen, HR Manager and  
CSR Co-ordinator  
SEMCO MARITIME**



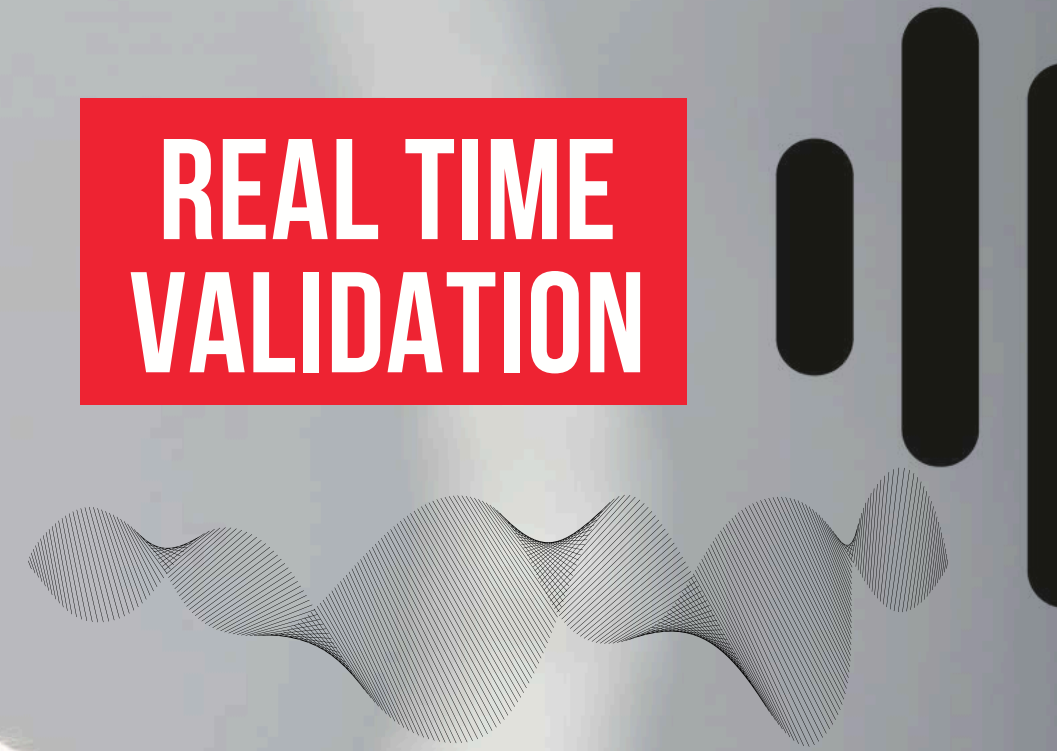




**IMPROVES HEALTH DATA FROM  
MEDICAL GRADE WEARABLE DEVICES**

**REAL TIME  
VALIDATION**

**TRANSFORMING  
HEALTH DATA  
INTO ACTIONABLE  
INSIGHTS**





# WHAT WEARABLE COMPANIES THINK ABOUT



Neurora EEG Neuro headset



CardiMood Medical Grade performance tracker



“Overall, the data shows an objective positive effect on the participant's cognitive levels across both dimensions of stress and focus”

Neurora & MeloKura workplace programme

**Thomas Ousterhout Ph.D**



“Melokura frequency therapy and CardiMood are powerful tools for improving corporate wellness. They work together to provide a holistic approach to well-being that benefits both employees and employers alike.”

CardiMood & MeloKura workplace programme

**DR. Willem Gielen, MD**





## MEET THE TEAM



## BOARD OF DIRECTORS



**JONNIY SAARDE**

Chairman & Founder

Jonniy has for nearly three decades worked as a first mover in the Danish Audio Industry. One of the pioneers within Audio Marketing and Audio Stimulation in Denmark, he has developed unique audio marketing and audio stimulation for businesses globally. Having gone through his own healing journey, using frequencies to augment health is Jonniy's true passion and he is fast becoming one of the world leaders in audible frequencies, prompting us to reconsider our understanding and use of sound.



**ULRIK MOELL**

Sales Director

Ulrik creates a standardised outreach for current and future clients and coordinate its implementation across sales channels, client management and marketing and communications, whilst developing growth strategies with the executive team. Ulrik has spent the last 15 years in 5 global companies in the food, beverage, pharmaceutical and off-shore industries and he has extensive experience in innovation, primarily health innovation.



**ANNA IVERSEN**

Legal & Compliance

Anna serves as principal legal counsel to the Company, its senior management and the board of directors on a wide array of legal and regulatory issues. Anna spent more than twenty years in the financial services sector in the City of London and Copenhagen until she made a drastic career change into health innovation after the passing of her parents to cancer. A born seeker thirsting for knowledge, Anna is passionate about research and validation.



**ABBAS BUKHARI**

C.E.O

Abbas is tasked with Leading the development of the organisation's short- and long-term strategies and policies Directing the organisation in line with the goals and visions set by the board of directors overseeing the day-to-day administrative and operational functions of the business & handles the company's internal affairs. Abbas has created, managed and sold tech and food & beverage start-ups; he is a self-starter with a keen interest in health and wellbeing.

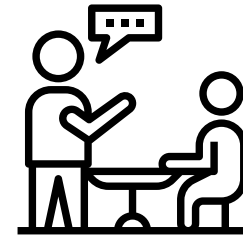


**STEVE KASSAM**

Revenue Director

Steve leads the revenue forecasting by analysing business tactics, performance analysis, pricing and sales strategies, market research and competitor analysis. Steve is a serial entrepreneur, having successfully set up and managed a number of energy and health food businesses. Steve has been studying ancient nutrition, health & wellness for over 15 years.

# Advisory Board



—•—

**Caroline Mansfield**  
Naturopath

—•—

**Morten Krarup**  
ProRepubliq

—•—

**Mette Bloch Jensen**  
Danish Rowing Gold Medalist

—•—

**Chuck Hazzard**  
Wearable Expert & tester &  
Biohacker / lawyer

—•—

**Dr. Willem Gielen**  
MD, Yjorring Hospital - Cardiomood

—•—

**Marianne Kirkensgaard Hansen**  
Semco Maritime

—•—

**Anthony Bashall**  
Zensium



# Thank You

[www.melokura.com](http://www.melokura.com)



institute of frequency therapeutics