

WHAT IS CLAIMED IS:

1. A system for biometric based information communication comprising:
 - a biomedical device including:
 - a sensing means, wherein the sensing means measures an exposure of a user;
 - an energization device; and
 - a communication means
 - a user electronic device, wherein the user electronic device is paired in a communication protocol with the biomedical device;
 - a communication hub, wherein the hub receives communication containing at least a biometric data result, indicative of the exposure of the user, from the biomedical device and a location of the biomedical device, and wherein the hub transmits the communication to a content server, wherein the user electronic device is paired in a communication protocol with the communication hub;
 - wherein the content server is authorized, via a signal from the biomedical device, to obtain environmental data related to location, and to initiate an algorithm to be executed to retrieve targeted and individualized content based on the biometric data result, the environmental data, the location and a personalized preference determination calculated via predictive analysis to generate the targeted and individualized content;
 - and
 - a feedback element, wherein the feedback element receives and displays to the user a message comprising the targeted and individualized content.
2. The system of Claim 1, wherein the exposure of the user is to at least one of an energy source, a biological material or chemical material.
3. The system of Claim 2, wherein the sensing means measures exposure of the user to ultraviolet radiation.

4. The system of Claim 2, wherein the sensing means measures exposure of the user to temperature.
5. The system of Claim 2 wherein the sensing means measures exposure of the user to high energy particles.
6. The system of Claim 2 wherein the sensing means measures exposure of the user to microbes.
7. The system of Claim 2 wherein the sensing means measures exposure of the user to allergens and chemicals.
8. The system of Claim 1, wherein the feedback element is located in the biomedical device.
9. The system of Claim1, wherein the feedback element includes a vibrational transducer.
10. The system of Claim 1, wherein the content server transmits a targeted message through a biometric information communication system to the feedback element.
11. A method to communicate a message, the method comprising:
 - obtaining a biomedical device capable of performing a biometric measurement, wherein the biometric measurement relates to an exposure of a user, wherein the exposure of the user is to at least one of an energy source, a biological material or chemical material;
 - utilizing the biomedical device to perform the biometric measurement;
 - communicating a biometric data result indicative of the exposure of the user obtained by the biometric measurement;
 - receiving the biometric data result at a content server;

receiving a message based upon the communication of a biometric data result obtained by the biometric measurement; and
communicating the message to the user with a feedback device;
wherein the method further comprises:
determining a location of the biomedical device to obtain location data;
communicating the location data to the content server, which is connected to a network;
authorizing the content server, via a signal from the biomedical device, to obtain environmental data related to the location data;
authorizing the content server to initiate an algorithm to be executed to retrieve targeted and individualized content based on the biometric data, the environmental data, the location data and a personalized preference determination calculated via predictive analysis to generate the targeted and individualized content;
receiving said message comprising the targeted and individualized content; and
displaying the message to the user with said feedback device.

12. The method of claim 11, further comprising:

authorizing a paired communication between the biomedical device and the feedback device, wherein the feedback device includes a display and a network communication device;
communicating the biometric data from the biomedical device to the feedback device;
determining the location of the biomedical device with the biomedical device or the feedback device to obtain said location data; and
receiving said message comprising the targeted and individualized content to the feedback device, which displays the message to the user.

13. The method of Claim 11 or claim 12, wherein the message indicates a medical facility proximate to the user location and wherein the medical facility has expertise related to the exposure.

14. The method of Claim 11 or claim 12, wherein the message indicates a consumer product that may ameliorate a condition related to the exposure.

15. The method of Claim 11 or claim 12, wherein the message indicates a location of a business offering the consumer product for sale.

16. The method of Claim 14, wherein the message indicates a suggested travel path from the user to the location of the business.

17. A method comprising:

- obtaining a first device, wherein the first device is capable to measure at least a first biometric of a user, wherein the measurement relates to an exposure of the user, wherein the exposure of the user is to at least one of an energy source, a biological material or chemical material;

- measuring the first biometric with the first device to obtain biometric data;

- determining a location of the first device with the first device to obtain location data;

- communicating the biometric data and the location data to a computing device connected to a network;

- authorizing the computing device, via a signal from the first device, to obtain environmental data related to the location data;

- authorizing the computing device to initiate an algorithm to be executed to retrieve a targeted and individualized content based on the biometric data, the environmental data, the location data and a personalized preference determination calculated via predictive analysis to generate the targeted and individualized content;

- receiving a message comprising the targeted and individualized content to the first device; and

- displaying the message to the user.

18. The method of Claim 17, wherein the first device comprises a worn device.

19. The method of Claim 17 , wherein the first device comprises an electronic bandage.

20. The method of Claim 19, wherein the electronic bandage comprises a battery.

21. The method of Claim 17, wherein the first device comprises a smart watch.

22. A method comprising:

- obtaining a first device, wherein the first device is capable to measure at least a first biometric of a user, wherein the measurement relates to an exposure, wherein the exposure of the user is to at least one of an energy source, a biological material or chemical material;

- measuring the first biometric with the first device to obtain biometric data;

- obtaining a second device, wherein the second device includes a display and a network communication device;

- authorizing a paired communication between the first device and the second device;

- communicating the biometric data from the first device to the second device;

- determining a location of the first device with the second device to obtain location data;

- communicating the biometric data and the location data to a computing device connected to a network;

- authorizing the computing device, via a signal from the first device, to send environmental data extracted from a network database related to the location data;

- authorizing the computing device to initiate an algorithm to be executed to retrieve a targeted and individualized content based on the biometric data, the environmental data, the location data and a personalized preference determination calculated via predictive analysis to generate the targeted and individualized content;

- receiving a message comprising the targeted and individualized content to the second device; and

- displaying the message to the user.

23. The method of Claim 22, wherein the first device comprises a worn biomedical device.
24. The method of Claim 23, wherein the worn biomedical device is an electronic bandage.
25. The method of Claim 22, wherein the second device comprises a smart phone.
26. The method of Claim 22, wherein the second device comprises a smart watch.
27. The method of Claim 22, wherein the first device comprises a microfluidic microbe sensor.
28. The method of Claim 22 wherein the first device comprises a quantum dot sensor and a colorimetric microbe sensor.