

WHAT IS CLAIMED IS:

1. A system for biometric based information communication including:
 - a biomedical device comprising:
 - a sensing means;
 - an energization device; and
 - a communication means;
 - a smart device, wherein the smart device is paired in a communication protocol with the biomedical device;
 - a communication hub, wherein the hub receives communication containing at least a data value from the biomedical device and transmits the communication to a content server;
 - a feedback element; and
 - a database on the content server, wherein the database comprises historical records at least including a timestamp and a corresponding copy of the data value from the biomedical device, wherein the content server is arranged to correlate the data value from the biomedical device with purchase related information of the user based on the timestamp.
2. The system of Claim 1, wherein the smart device is paired in a communication protocol with the communication hub.
3. The system of Claim 2, wherein the feedback element is located on the smart device.
4. The system of Claim 2, wherein the feedback element is a personal computer.
5. The system of Claim 3, wherein the feedback element includes a display.
6. The system of Claim 1, wherein the biomedical device is located in clothing.
7. The system of Claim 1, wherein the biomedical device is an oral sensor.

8. The system of Claim 7, wherein the oral sensor measures a level of sodium in fluids in a user's mouth.
9. The system of Claim 1, wherein the biomedical device is an ophthalmic device, optionally a contact lens.
10. The system of Claim 1, wherein the biomedical device is an implanted biomedical device; optionally a pacemaker, a stent, an ocular implant, an aural implant, a vascular port, a generalized subcutaneous implant or a swallowable electronic pill.
11. The system of Claim 1, wherein the sensing means comprises an element to monitor a user's temperature.
12. The system of Claim 1, wherein the sensing means comprises an element to monitor a user's pupil size.
13. The system of Claim 1, wherein the sensing means comprises an element to monitor a user's intraocular pressure.
14. The system of Claim 1, wherein the sensing means comprises an element to monitor a user's eye motion.
15. The system of Claim 1, wherein the sensing means comprises an element to monitor a user's blink rate.
16. The system of Claim 1, wherein the sensing means comprises an element to monitor a user's pulse.
17. The system of Claim 1, wherein the sensing means comprises an element to monitor a user's blood pressure.

18. The system of Claim 1, wherein the sensing means comprises an element to monitor a user's blood oximetry level.
19. The system of Claim 1, wherein the sensing means comprises an element to monitor a user's blood glucose level.
20. A method to communicate a message, the method comprising:
- obtaining a biomedical device capable of performing a biometric measurement, wherein the biomedical device is located in a fluid and/or an implantable environment;
 - utilizing the biomedical device to perform the biometric measurement;
 - communicating a biometric data result obtained by the biometric measurement;
 - receiving the biometric data result at a content server;
 - storing the biometric data result in a database on the content server;
 - analyzing a collection of biometric data including the stored biometric data, wherein the collection includes data taken over a period of time;
 - receiving a message based upon the analyzing of the collection of biometric data;
 - and
 - communicating the message to a user with a feedback device;
- wherein the database comprises historical records at least including a timestamp and a corresponding copy of the biometric measurement from the biomedical device, and wherein the content server is arranged to correlate the biomedical measurement from the biomedical device with purchase related information of the user based on the timestamp.
21. The method of claim 20 comprising:
- receiving a communication from a biometric measurement system communication system, wherein the communication comprises at least a first data value corresponding to a biometric result obtained with the biomedical device;
 - receiving the communication at the content server;
 - storing the first data value in the database at the content server;

retrieving a collection of data values including the first data value;
processing the collection of data values with a processor, wherein the processing generates a message; and
transmitting the message to the biometric measurement system communication system.

22. The method of Claim 21, additionally comprising receiving a second communication from the biometric measurement system communication system, wherein the second communication comprises at least a second data value corresponding to a user location.

23. The method of Claim 22 wherein an authorization has been given to transmit the collection of data values to a commercial party.

24. The method of claim 20 or claim 21 wherein the biomedical device is an oral sensor or an ophthalmic device; optionally a contact lens.

25. The method of claim 20 or 21, wherein the biomedical device is an implanted biomedical device; optionally a pacemaker, a stent, an ocular implant, an aural implant, a vascular port, a generalized subcutaneous implant or a swallowable electronic pill.

26. The method of claim 20 comprising:

obtaining a first device, wherein the first device is capable to measure at least a first biometric of a user;

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

obtaining a second device, wherein the second device is paired with the first device in communication;

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;

storing the biometric data and the location data in the database of the content server;

authorizing the computing device, via a signal from the second device, to obtain environmental data related to the location data from a weather based database;

authorizing the computing device to initiate an algorithm to be executed to retrieve a targeted and individualized content based on a retrieval from the database of a collection of biometric data, environmental data, location data and a medical history categorization of the user 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.

27. The method of Claim 26, wherein the second device comprises a worn device.

28. The method of Claim 26, wherein the second device comprises a smart watch.

29. The method of Claim 26 wherein the message comprises advertising.

30. The method of Claim 26, wherein the first device is a contact lens.

31. The method of Claim 26, wherein the first device comprises a sub-cutaneous biomedical device.

32. The method of Claim 26, wherein the first device is a shoe comprising a sensor.

33. The method of Claim 26, wherein the first device comprises an electrode, wherein the electrode is in electrical communication with bioelectrical signals of a user's body.

34. The method of Claim 26, wherein the first device comprises a quantum dot based chemical sensor.

35. The method of Claim 26 further comprising authorizing a third party to transmit a collection of data values from the retrieval from the database to a commercial party.
36. The method of Claim 35 wherein the third party receives no personal identifying information about the user.
37. The method of Claim 35 wherein the third party receives personal identifying information about the user.
38. The method of Claim 35 wherein the third party is a medical practitioner organization.
39. The method of Claim 37 wherein the third party is a weight loss organization.
40. The method of Claim 37 wherein the third party is a therapeutic organization.